

US Army Corps of Engineers

**Toxic and Hazardous
Materials Agency**

Final

ASBESTOS SURVEY RESULTS

Volume II

**Fort Douglas
Environmental Investigation/Alternatives Analysis**

**Contract No. DAAA15-90-D-0018
Task Order 0005, Data Item A009**

Prepared by:
R.L. Stollar & Associates Inc.
URS Consultants, Inc.
PTI Environmental Health, Inc.
Urie Environmental Health, Inc.
DataChem Laboratories
Environmental Hazards Specialists
International, Inc.

Prepared for:
U.S. Army Toxic and Hazardous Materials Agency
Aberdeen Proving Ground, Maryland 21010-5401

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FORT DOUGLAS
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VOLUME II

Prepared by:

R. L. STOLLAR & ASSOCIATES INC.
URS CONSULTANTS, INC.
PTI ENVIRONMENTAL SERVICES
URIE ENVIRONMENTAL HEALTH, INC.
DATACHEM LABORATORIES
ENVIRONMENTAL SCIENCE & ENGINEERING, INC.
ENVIRONMENTAL HAZARDS SPECIALISTS INTERNATIONAL, INC.

Prepared for:

U.S. ARMY TOXIC AND HAZARDOUS MATERIALS AGENCY

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LIST OF ACRONYMS AND ABBREVIATIONS

ACM	asbestos containing materials
ACBM	asbestos containing building materials
AHERA	Asbestos Hazard Emergency Response Act
DEH	Directorate of Engineering and Housing
EI	Environmental Investigation
EPA	U.S. Environmental Protection Agency
f/cc	fibers per cubic centimeter
HASP	Health and Safety Plan
Misc	Miscellaneous materials
NCO	non commissioned officer
O & M	Operations and Maintenance
PA	Preliminary Assessment
QAPP	Quality Assurance Project Plan
QC	quality control
SM	surfacing materials
Stollar	R.L. Stollar and Associates
TSI	thermal system insulation
USATHAMA	United States Army Toxic and Hazardous Materials Agency

Appendix A

Analytical Results for Asbestos
Sampling at Fort Douglas, Utah,
Excessed Area

Analytical Results For Fort Douglas Asbestos Sampling

Material Description	Material Class	Sample ID	Sample Date	QC Type	Value %
Air Cell Insulation	TSI	1A-001	06/10/91		35.0
Ceiling Sheet Panels	Misc	1A-002	06/10/91		LT 0.5
2x4 Ceiling Panels	Misc	1A-003	06/10/91		LT 0.5
Joint Compound	TSI	1A-004	06/17/91		40.0
Joint Compound	TSI	1A-004	06/17/91	D	40.0
Sheetrock	Misc	1A-005	06/10/91		LT 0.5
Linoleum	Misc	1A-006	06/10/91		LT 0.5
Linoleum	Misc	1A-007	06/10/91		30.0
Linoleum	Misc	1A-007	06/10/91	D	12.0
Joint Compound	TSI	1B-001	06/17/91		40.0
Joint Compound	TSI	1B-001	06/17/91	D	45.0
Air Cell Insulation	TSI	1B-002	06/17/91		35.0
Linoleum	Misc	1B-003	06/17/91		LT 0.5
Air Cell Insulation	TSI	2A-001	06/11/91		60.0
Joint Compound	TSI	2A-002	06/11/91		30.0
Ceiling and Wall Plaster	Misc	2A-003	06/11/91		LT 0.5
Ceiling and Wall Plaster	Misc	2A-003	06/11/91	D	LT 0.5
Textured Plaster	Misc	2A-004	06/11/91		2.0
Linoleum	Misc	2A-005	06/11/91		LT 0.5
Linoleum	Misc	2A-006	06/11/91		13.0
Linoleum	Misc	2A-007	06/11/91		LT 0.5
Sheetrock	Misc	2A-008	06/11/91		LT 0.5
Linoleum	Misc	2A-009	06/11/91		3.0
Air Cell Insulation	TSI	2B-001	06/10/91		LT 0.5
Air Cell Insulation	TSI	2B-002	06/10/91		30.0
Air Cell Insulation	TSI	2B-003	06/10/91		40.0
Ceiling and Wall Plaster	Misc	2B-004	06/10/91		LT 0.5
Ceiling and Wall Plaster	Misc	2B-004	06/10/91	D	LT 0.5
Linoleum	Misc	2B-005	06/10/91		LT 0.5
Linoleum	Misc	2B-006	06/10/91		50.0
Linoleum	Misc	2B-007	06/10/91		LT 0.5
Sheetrock/Joint Compound	Misc	2B-008	06/10/91		LT 0.5
Linoleum	Misc	2B-009	06/10/91		LT 0.5
Wire Wrap	Misc	3-001	06/11/91		LT 0.5
Air Cell Insulation	TSI	3-002	06/11/91		65.0
Air Cell Insulation	TSI	3-002	06/11/91	D	65.0
Linoleum	Misc	3-003	06/11/91		LT 0.5
Linoleum	Misc	3-004	06/11/91		25.0
Linoleum	Misc	3-005	06/11/91		LT 0.5
Linoleum	Misc	4-001	06/18/91		LT 0.5
Linoleum	Misc	4-002	06/18/91		LT 0.5
Linoleum	Misc	4-002	06/18/91	D	LT 0.5
Linoleum	Misc	4-003	06/18/91		20.0
Air Cell Insulation	TSI	4-004	06/18/91		35.0
Linoleum	Misc	4-005	06/18/91		LT 0.5
Linoleum	Misc	4-006	06/18/91		15.0
Adhesive Materials	Misc	4-007	06/18/91		LT 0.5
MAG-Block Insulation	TSI	4-008	06/18/91		LT 0.5
2x4 Ceiling Panels	Misc	5-001	06/20/91		LT 0.5
2x4 Ceiling Panels	Misc	5-001	06/20/91	D	LT 0.5
Linoleum	Misc	5-002	06/20/91		24.0
Linoleum	Misc	5-003	06/20/91		LT 0.5
9x9 Floor Tiles	Misc	5-004	06/20/91		3.0

D - Duplicate Sample

LT - Less Than

All Level 1 Data

Analytical Results For Fort Douglas Asbestos Sampling

Material Description	Material Class	Sample ID	Sample Date	QC Type	Value %
2x4 Ceiling Panels	Misc	5-005	06/20/91		LT 0.5
Linoleum	Misc	5-006	06/20/91		24.0
Air Cell Insulation	TSI	6A-001	06/12/91		40.0
Joint Compound	TSI	6A-002	06/12/91		20.0
Joint Compound	TSI	6A-002	06/12/91	D	20.0
Linoleum	Misc	6A-003	06/12/91		20.0
Linoleum	Misc	6A-004	06/12/91		LT 0.5
Air Cell Insulation	TSI	6B-001	06/12/91		60.0
Sheetrock	Misc	6B-002	06/12/91		LT 0.5
Ceiling and Wall Plaster	Misc	6B-003	06/12/91		LT 0.5
Ceiling and Wall Plaster	Misc	6B-003	06/12/91	D	LT 0.5
Linoleum	Misc	6B-004	06/12/91		LT 0.5
Linoleum	Misc	6B-005	06/12/91		20.0
Linoleum	Misc	6B-006	06/12/91		25.0
Linoleum	Misc	6B-007	06/12/91		LT 0.5
Air Cell Insulation	TSI	7A-001	06/13/91		25.0
Joint Compound	TSI	7A-002	06/13/91		30.0
Joint Compound	TSI	7A-002	06/13/91	D	30.0
Linoleum	Misc	7A-003	06/13/91		20.0
Air Cell Insulation	TSI	7B-001	06/22/91		60.0
Air Cell Insulation	TSI	7B-001	06/22/91	D	55.0
Joint Compound	TSI	7B-002	06/22/91		25.0
MAG-Block Insulation	TSI	7B-003	06/22/91		30.0
Linoleum	Misc	7B-004	06/22/91		LT 0.5
MAG-Block Insulation	TSI	8A-001	06/11/91		30.0
Air Cell Insulation	TSI	8A-002	06/11/91		35.0
Joint Compound	TSI	8A-003	06/11/91		30.0
Joint Compound	TSI	8A-003	06/11/91	D	35.0
Joint compound on Fiberglass	TSI	8A-004	06/11/91		LT 0.5
Sheetrock/Joint Compound	Misc	8A-005	06/11/91		LT 0.5
Sheetrock	Misc	8A-006	06/11/91		LT 0.5
Linoleum	Misc	8A-007	06/11/91		21.0
Linoleum	Misc	8A-008	06/11/91		LT 0.5
Sheetrock	Misc	8B-001	06/10/91		LT 0.5
Ceiling and Wall Plaster	Misc	8B-002	06/10/91		LT 0.5
Linoleum	Misc	8B-003	06/10/91		LT 0.5
Linoleum	Misc	8B-004	06/10/91		25.0
Linoleum	Misc	8B-004	06/10/91	D	25.0
Linoleum	Misc	8B-005	06/10/91		36.0
Linoleum	Misc	8B-006	06/10/91		30.0
Joint compound on Fiberglass	TSI	8B-007	06/10/91		LT 0.5
Air Cell Insulation	TSI	8B-008	06/10/91		75.0
Joint Compound	Misc	8B-011	06/11/91		LT 0.5
MAG-Block Insulation	TSI	9A-001	06/14/91		15.0
MAG-Block Insulation	TSI	9A-001	06/14/91	D	15.0
Ceiling and Wall Plaster	Misc	9A-002	06/14/91		LT 0.5
Joint compound on Fiberglass	Misc	9A-003	06/14/91		LT 0.5
Linoleum	Misc	9A-004	06/14/91		20.0
12x12 Ceiling Tiles	Misc	9A-005	06/14/91		LT 0.5
Joint Compound	TSI	9B-001	06/19/91		20.0
Air Cell Insulation	TSI	9B-002	06/19/91		30.0
Air Cell Insulation	TSI	9B-002	06/19/91	D	35.0
Air Cell Insulation	TSI	10A-001	06/18/91		70.0

D - Duplicate Sample
 LT - Less Than
 All Level 1 Data

Analytical Results For Fort Douglas Asbestos Sampling

Material Description	Material Class	Sample ID	Sample Date	QC Type	Value %
Air Cell Insulation	TSI	10A-001	06/18/91	D	70.0
Joint Compound	TSI	10A-002	06/18/91		30.0
Wire Wrap	Misc	10B-001	06/11/91	LT	0.5
MAG-Block Insulation	TSI	10B-002	06/11/91		30.0
Joint Compound	TSI	10B-003	06/11/91	LT	0.5
Air Cell Insulation	TSI	10B-004	06/11/91		65.0
Linoleum	Misc	10B-005	06/11/91		26.0
Adhesive Materials	Misc	10B-006	06/11/91	LT	0.5
Linoleum	Misc	10B-007	06/11/91	LT	0.5
Transite Panels	Misc	10B-008	06/11/91		2.0
Transite Panels	Misc	10B-008	06/11/91	D	2.0
2x4 Ceiling Panels	Misc	11A-001	06/18/91	LT	0.5
2x4 Ceiling Panels	Misc	11A-001	06/18/91	D LT	0.5
Joint Compound	TSI	11A-002	06/18/91		30.0
Air Cell Insulation	TSI	11A-003	06/18/91		23.0
Linoleum	Misc	11A-004	06/18/91	LT	0.5
MAG-Block Insulation	TSI	11B-001	06/20/91		35.0
Sheetrock	Misc	11B-002	06/20/91	LT	0.5
Linoleum	Misc	11B-003	06/20/91	LT	0.5
Linoleum	Misc	11B-004	06/20/91	LT	0.5
Linoleum	Misc	11B-005	06/20/91	LT	0.5
Sheetrock	Misc	11B-002	06/20/91	D LT	0.5
Air Cell Insulation	TSI	12A-001	06/24/91		45.0
Joint Compound	TSI	12A-002	06/24/91		40.0
Roof Shingles	Misc	12A-003	06/24/91	LT	0.5
Tar Paper	Misc	12A-004	06/24/91	LT	0.5
Air Cell Insulation	TSI	12A-001	06/24/91	D	45.0
Air Cell Insulation	TSI	12B-001	06/13/91		45.0
Joint Compound	TSI	12B-002	06/13/91		30.0
Ceiling and Wall Plaster	Misc	12B-003	06/13/91	LT	0.5
Linoleum	Misc	12B-004	06/13/91		25.0
Linoleum	Misc	12B-005	06/13/91	LT	0.5
Linoleum	Misc	12B-006	06/13/91	LT	0.5
Ceiling and Wall Plaster	Misc	12B-003	06/13/91	D LT	0.5
Air Cell Insulation	TSI	13A-001	06/17/91		40.0
Joint Compound	TSI	13A-002	06/17/91		40.0
Air Cell Insulation	TSI	13A-001	06/17/91	D	35.0
Joint Compound	TSI	13B-001	06/17/91		35.0
Joint Compound	TSI	13B-001	06/17/91	D	40.0
Air Cell Insulation	TSI	14A-001	06/14/91		40.0
Joint Compound	TSI	14A-002	06/14/91		40.0
Joint Compound	TSI	14A-002	06/14/91	D	35.0
Linoleum	Misc	14A-003	06/14/91	LT	0.5
Air Cell Insulation	TSI	14B-001	06/17/91		40.0
Air Cell Insulation	TSI	14B-001	06/17/91	D	45.0
Linoleum	Misc	14B-002	06/17/91	LT	0.5
Linoleum	Misc	14B-003	06/17/91	LT	0.5
Wool Pipe Wrap Insulation	TSI	15A-001	06/14/91	LT	0.5
Wool Pipe Wrap Insulation	TSI	15A-001	06/14/91	D LT	0.5
Joint Compound	TSI	15A-002	06/14/91		25.0
Air Cell Insulation	TSI	15A-003	06/14/91		30.0
Linoleum	Misc	15A-004	06/14/91		20.0
Air Cell Insulation	TSI	15B-001	06/19/91		35.0

D - Duplicate Sample
 LT - Less Than
 All Level 1 Data

Analytical Results For Fort Douglas Asbestos Sampling

Material Description	Material Class	Sample ID	Sample Date	QC Type	Value %
Joint Compound	TSI	15B-002	06/19/91		25.0
Joint Compound	TSI	15B-002	06/19/91	D	25.0
Linoleum	Misc	15B-003	06/19/91		LT 0.5
Linoleum	Misc	15B-004	06/19/91		LT 0.5
Linoleum	Misc	15B-005	06/19/91		20.0
Linoleum	Misc	15B-006	06/19/91		LT 0.5
Sheetrock	Misc	15B-007	06/19/91		LT 0.5
Air Cell Insulation	TSI	16A-001	06/25/91		60.0
Air Cell Insulation	TSI	16A-001	06/25/91	D	60.0
Joint Compound	TSI	16A-002	06/25/91		30.0
Linoleum	Misc	16A-003	06/25/91		LT 0.5
Linoleum	Misc	16A-004	06/25/91		20.0
Air Cell Insulation	TSI	16B-001	06/25/91		40.0
Joint Compound	TSI	16B-002	06/25/91		30.0
Joint Compound	TSI	16B-002	06/25/91	D	25.0
Air Cell Insulation	TSI	17A-001	06/18/91		35.0
Joint Compound	TSI	17A-002	06/18/91		15.0
Sheetrock	Misc	17A-003	06/18/91		LT 0.5
Sheetrock	Misc	17A-003	06/18/91	D	LT 0.5
Linoleum	Misc	17A-004	06/18/91		LT 0.5
Linoleum	Misc	17A-005	06/18/91		24.0
Linoleum	Misc	17A-006	06/18/91		LT 0.5
Linoleum	Misc	17A-007	06/18/91		2.0
Joint Compound	TSI	17B-001	06/25/91		25.0
Joint Compound	TSI	17B-001	06/25/91	D	25.0
Air Cell Insulation	TSI	17B-002	06/25/91		40.0
Air Cell Insulation	TSI	18A-002	06/17/91		35.0
MAG-Block Insulation	TSI	18A-001	06/17/91		35.0
MAG-Block Insulation	TSI	18A-001	06/17/91	D	40.0
Wire Wrap	Misc	18A-003	06/17/91		LT 0.5
Linoleum	Misc	18A-004	06/17/91		LT 0.5
Linoleum	Misc	18A-005	06/17/91		LT 0.5
Air Cell Insulation	TSI	18B-001	06/24/91		40.0
Air Cell Insulation	TSI	18B-001	06/24/91	D	45.0
Joint Compound	TSI	18B-002	06/24/91		30.0
Linoleum	Misc	18B-003	06/24/91		LT 0.5
Ceiling and Wall Plaster	Misc	18C-001	06/12/91		LT 0.5
Ceiling and Wall Plaster	Misc	18C-001	06/12/91	D	LT 0.5
Air Cell Insulation	TSI	18C-002	06/12/91		70.0
Linoleum	Misc	18C-003	06/12/91		20.0
2x4 Ceiling Panels	Misc	18C-004	06/12/91		LT 0.5
2x4 Ceiling Panels	Misc	18C-005	06/12/91		LT 0.5
Air Cell Insulation	TSI	19A-001	06/17/91		55.0
Air Cell Insulation	TSI	19A-001	06/17/91	D	45.0
Linoleum	Misc	19A-002	06/17/91		LT 0.5
MAG-Block Insulation	TSI	19B-001	06/21/91		27.0
MAG-Block Insulation	TSI	19B-001	06/21/91	D	27.0
Air Cell Insulation	TSI	19B-002	06/21/91		40.0
Joint Compound	TSI	19C-001	06/24/91		25.0
Joint Compound	TSI	19C-001	06/24/91	D	20.0
Air Cell Insulation	TSI	19C-002	06/24/91		60.0
Linoleum	Misc	19C-003	06/24/91		20.0
Air Cell Insulation	TSI	20-001	06/24/91		65.0

D - Duplicate Sample
 LT - Less Than
 All Level 1 Data

Analytical Results For Fort Douglas Asbestos Sampling

Material Description	Material Class	Sample ID	Sample Date	QC Type	Value %
Air Cell Insulation	TSI	20-001	06/24/91	D	70.0
Joint Compound	TSI	20-002	06/24/91		35.0
Air Cell Insulation	TSI	21-001	06/21/91		29.0
MAG-Block Insulation	TSI	21-002	06/21/91		35.0
MAG-Block Insulation	TSI	21-002	06/21/91	D	35.0
Air Cell Insulation	TSI	22-001	06/13/91		LT 0.5
Joint Compound	TSI	22-002	06/13/91		25.0
Joint Compound	TSI	22-002	06/13/91	D	29.0
Air Cell Insulation	TSI	23-001	06/13/91		40.0
Sheetrock/Joint Compound	Misc	23-002	06/13/91		2.0
Linoleum	Misc	23-003	06/13/91		25.0
Linoleum	Misc	23-004	06/13/91		30.0
Tar Paper	Misc	23-005	06/13/91		LT 0.5
Tar Paper	Misc	23-005	06/13/91	D	LT 0.5
Joint Compound	TSI	24-001	06/22/91		40.0
Air Cell Insulation	TSI	24-002	06/22/91		65.0
Air Cell Insulation	TSI	24-002	06/22/91	D	70.0
Linoleum	Misc	24-003	06/22/91		18.0
Tar Paper	Misc	24-004	06/22/91		LT 0.5
Roof Shingles	Misc	24-005	06/22/91		LT 0.5
Roof Sealant	Misc	24-006	06/22/91		LT 0.5
Air Cell Insulation	TSI	25-002	06/13/91		65.0
Joint Compound	TSI	25-001	06/13/91		45.0
Joint Compound	TSI	25-001	06/13/91	D	45.0
Linoleum	Misc	25-003	06/13/91		LT 0.5
Linoleum	Misc	25-004	06/13/91		15.0
Sheetrock/Joint Compound	Misc	25-005	06/13/91		LT 0.5
2x4 Ceiling Panels	Misc	31-001	06/19/91		LT 0.5
2x4 Ceiling Panels	Misc	31-001	06/19/91	D	LT 0.5
12x12 Floor Tiles	Misc	31-002	06/19/91		LT 0.5
Linoleum	Misc	31-003	06/19/91		LT 0.5
9x9 Floor Tiles	Misc	31-004	06/19/91		2.0
Air Cell Insulation	TSI	32-001	06/15/91		LT 0.5
Paper Pipe Wrap Insulation	TSI	32-002	06/15/91		15.0
Ceiling Sheet Panels	Misc	32-003	06/15/91		LT 0.5
Ceiling Sheet Panels	Misc	32-003	06/15/91	D	LT 0.5
9x9 Floor Tiles	Misc	37-001	06/17/91		LT 0.5
9x9 Floor Tiles	Misc	37-001	06/17/91	D	LT 0.5
Sheetrock/Joint Compound	Misc	39-001	06/14/91		LT 0.5
Sheetrock/Joint Compound	Misc	39-001	06/14/91	D	LT 0.5
12x12 Floor Tiles	Misc	39-002	06/14/91		2.0
Ceiling Sheet Panels	Misc	39-003	06/14/91		LT 0.5
Transite Panels	Misc	48-001	06/14/91		45.0
Linoleum	Misc	48-002	06/14/91		24.0
12x12 Floor Tiles	Misc	48-003	06/14/91		LT 0.5
9x9 Floor Tiles	Misc	48-004	06/14/91		3.0
Paper Pipe Wrap Insulation	TSI	48-005	06/14/91		30.0
Paper Pipe Wrap Insulation	TSI	48-005	06/14/91	D	30.0
Linoleum	Misc	49-001	06/21/91		24.0
2x4 Ceiling Panels	Misc	49-002	06/21/91		LT 0.5
Soundproofing	SM	49-003	06/21/91		15.0
Soundproofing	SM	49-003	06/21/91	D	15.0
12x12 Floor Tiles	Misc	49-004	06/21/91		LT 0.5

D - Duplicate Sample
 LT - Less Than
 All Level 1 Data

Analytical Results For Fort Douglas Asbestos Sampling

Material Description	Material Class	Sample ID	Sample Date	QC Type	Value %
12x12 Floor Tiles	Misc	49-005	06/21/91		LT 0.5
White Powder (unknown)	Misc	49-006	06/21/91		LT 0.5
White Powder (unknown)	Misc	49-006	06/21/91	D	LT 0.5
Air Cell Insulation	TSI	49-007	06/21/91		30.0
Linoleum	Misc	49-008	06/21/91		LT 0.5
2x2 Ceiling Panels	Misc	49-009	06/21/91		LT 0.5
Linoleum	Misc	49-010	06/21/91		20.0
12x12 Floor Tiles	Misc	49-011	06/21/91		LT 0.5
Transite Panels	Misc	50-001	06/15/91		55.0
Tar Paper	Misc	50-002	06/15/91		LT 0.5
Tar Paper	Misc	50-002	06/15/91	D	LT 0.5
Transite Panels	Misc	51-001	06/15/91		45.0
Tar Paper	Misc	51-002	06/15/91		LT 0.5
Tar Paper	Misc	51-002	06/15/91	D	LT 0.5
Sheetrock/Joint Compound	Misc	52-002	06/17/91		LT 0.5
Transite Panels	Misc	52-001	06/17/91		60.0
Transite Panels	Misc	52-001	06/17/91	D	60.0
Linoleum	Misc	52-003	06/17/91		LT 0.5
Linoleum	Misc	52-004	06/17/91		LT 0.5
Paper Pipe Wrap Insulation	TSI	53-001	06/20/91		35.0
Sheetrock	Misc	53-002	06/20/91		LT 0.5
Linoleum	Misc	53-003	06/20/91		LT 0.5
2x2 Ceiling Panels	Misc	53-004	06/20/91		LT 0.5
2x2 Ceiling Panels	Misc	53-004	06/20/91	D	LT 0.5
Linoleum	Misc	53-005	06/20/91		LT 0.5
9x9 Floor Tiles	Misc	54-001	06/12/91		LT 0.5
Sheetrock	Misc	54-002	06/12/91		LT 0.5
Transite Panels	Misc	54-003	06/12/91		15.0
Linoleum	Misc	54-007	06/12/91		15.0
Air Cell Insulation	TSI	54-004	06/12/91		20.0
Linoleum	Misc	54-006	06/12/91		3.0
2x4 Ceiling Panels	Misc	54-005	06/12/91		LT 0.5
Soundproofing	SM	54-008	06/12/91		8.0
Soundproofing	SM	54-009	06/12/91		6.0
Soundproofing	SM	54-009	06/12/91	D	9.0
Linoleum	Misc	54-010	06/12/91		20.0
Sheetrock	Misc	54-011	06/12/91		LT 0.5
Linoleum	Misc	55-001	06/18/91		24.0
9x9 Floor Tiles	Misc	55-002	06/18/91		8.0
Soundproofing	SM	55-003	06/18/91		12.0
Soundproofing	SM	55-003	06/18/91	D	16.0
Linoleum	Misc	55-004	06/18/91		21.0
Linoleum	Misc	55-005	06/18/91		15.0
Paper Pipe Wrap Insulation	TSI	56A-001	06/12/91		45.0
Linoleum	Misc	56A-002	06/12/91		25.0
Linoleum	Misc	56A-002	06/12/91	D	20.0
Linoleum	Misc	56A-003	06/12/91		35.0
Linoleum	Misc	56A-004	06/12/91		20.0
Linoleum	Misc	56A-005	06/12/91		20.0
Paper Pipe Wrap Insulation	TSI	56B-001	06/12/91		35.0
Paper Pipe Wrap Insulation	TSI	56B-001	06/12/91	D	35.0
Linoleum	Misc	56B-002	06/12/91		LT 0.5
Linoleum	Misc	56B-003	06/12/91		LT 0.5

D - Duplicate Sample
 LT - Less Than
 All Level 1 Data

Analytical Results For Fort Douglas Asbestos Sampling

Material Description	Material Class	Sample ID	Sample Date	QC Type	Value %
Paper Pipe Wrap Insulation	TSI	57A-001	06/18/91		40.0
Linoleum	Misc	57A-002	06/18/91		24.0
Linoleum	Misc	57A-002	06/18/91	D	20.0
Transite Panels	Misc	57A-003	06/18/91		60.0
Linoleum	Misc	57A-004	06/18/91		23.0
Linoleum	Misc	57A-005	06/18/91		LT 0.5
Paper Pipe Wrap Insulation	TSI	57B-001	06/14/91		60.0
Ceiling and Wall Plaster	Misc	57B-002	06/14/91		LT 0.5
Linoleum	Misc	57B-003	06/14/91		LT 0.5
Paper Pipe Wrap Insulation	TSI	57B-001	06/14/91	D	65.0
MAG-Block Insulation	TSI	58A-001	06/14/91		45.0
Paper Pipe Wrap Insulation	TSI	58A-002	06/14/91		LT 0.5
Paper Pipe Wrap Insulation	TSI	58A-002	06/14/91	D	LT 0.5
12x12 Floor Tiles	Misc	58A-003	06/14/91		LT 0.5
MAG-Block Insulation	TSI	58B-001	06/19/91		35.0
MAG-Block Insulation	TSI	58B-001	06/19/91	D	40.0
12x12 Floor Tiles	Misc	58B-002	06/19/91		LT 0.5
Linoleum	Misc	58B-003	06/19/91		24.0
Transite Panels	Misc	58B-004	06/19/91		70.0
Linoleum	Misc	59-001	06/13/91		25.0
Linoleum	Misc	59-001	06/13/91	D	28.0
Adhesive Materials	Misc	59-002	06/13/91		LT 0.5
Linoleum	Misc	59-003	06/13/91		LT 0.5
Joint Compound	TSI	59-004	06/13/91		LT 0.5
MAG-Block Insulation	TSI	60A-001	06/19/91		20.0
MAG-Block Insulation	TSI	60A-001	06/19/91	D	20.0
Air Cell Insulation	TSI	60B-001	06/19/91		30.0
Linoleum	Misc	60B-002	06/19/91		LT 0.5
Transite Panels	Misc	60B-003	06/19/91		65.0
Transite Panels	Misc	60B-003	06/19/91	D	70.0
Tar Paper	Misc	60B-004	06/19/91		LT 0.5
9x9 Floor Tiles	Misc	60B-005	06/19/91		LT 0.5
Linoleum	Misc	60B-006	06/19/91		LT 0.5
Transite Panels	Misc	61-001	06/20/91		65.0
Transite Panels	Misc	61-001	06/20/91	D	70.0
Ceiling Paper	Misc	62-001	06/13/91		LT 0.5
Ceiling Paper	Misc	62-001	06/13/91	D	LT 0.5
Adhesive Materials	Misc	62-002	06/13/91		LT 0.5
Sheetrock	Misc	62-003	06/13/91		LT 0.5
Linoleum	Misc	62-004	06/13/91		LT 0.5
Ceiling Paper	Misc	63-001	06/13/91		LT 0.5
9x9 Floor Tiles	Misc	63-002	06/13/91		7.0
Linoleum	Misc	63-003	06/13/91		LT 0.5
Linoleum	Misc	63-004	06/13/91		LT 0.5
Linoleum	Misc	63-005	06/13/91		LT 0.5
9x9 Floor Tiles	Misc	63-002	06/13/91	D	7.0
Joint Compound	TSI	64A-001	06/14/91		LT 0.5
Air Cell Insulation	TSI	64A-002	06/14/91		75.0
Air Cell Insulation	TSI	64A-002	06/14/91	D	70.0
Paper Pipe Wrap Insulation	TSI	64A-003	06/14/91		LT 0.5
9x9 Floor Tiles	Misc	64A-004	06/14/91		LT 0.5
Air Cell Insulation	TSI	64B-001	06/13/91		30.0
Air Cell Insulation	TSI	64B-001	06/13/91	D	35.0

D - Duplicate Sample
 LT - Less Than
 All Level 1 Data

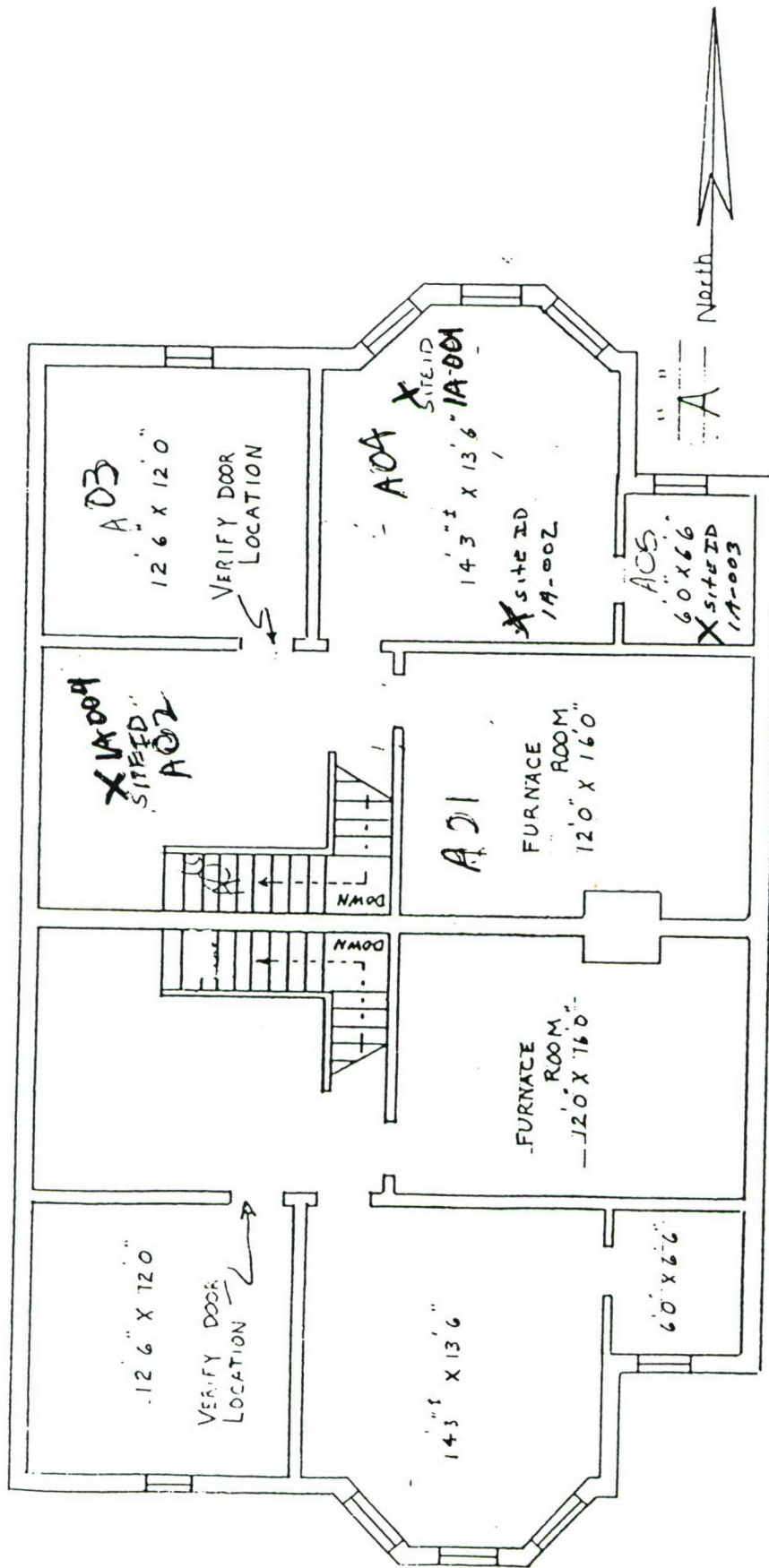
Analytical Results For Fort Douglas Asbestos Sampling

Material Description	Material Class	Sample ID	Sample Date	QC Type	Value %
Joint Compound	TSI	64B-002	06/13/91		30.0
Wire Wrap	Misc	64B-003	06/13/91		LT 0.5
12x12 Floor Tiles	Misc	64B-004	06/13/91		LT 0.5
Air Cell Insulation	TSI	65A-001	06/14/91		45.0
Ceiling and Wall Plaster	Misc	65A-003	06/14/91		LT 0.5
Ceiling and Wall Plaster	Misc	65A-003	06/14/91	D	LT 0.5
Linoleum	Misc	65A-002	06/14/91		20.0
Joint Compound	TSI	65B-001	06/22/91		40.0
Joint Compound	TSI	65B-001	06/22/91	D	40.0
Air Cell Insulation	TSI	65B-002	06/22/91		65.0
Linoleum	Misc	65B-003	06/22/91		LT 0.5
MAG-Block Insulation	TSI	66A-001	06/14/91		35
2x4 Ceiling Panels	Misc	66A-002	06/14/91		LT 0.5
2x4 Ceiling Panels	Misc	64A-002	06/14/91	D	LT 0.5
MAG-Block Insulation	TSI	66B-001	06/10/91		25.0
MAG-Block Insulation	TSI	66B-001	06/10/91	D	30.0
Sheetrock	Misc	66B-002	06/10/91		LT 0.5
Linoleum	Misc	66B-003	06/10/91		LT 0.5
Linoleum	Misc	66B-004	06/10/91		LT 0.5
Linoleum	Misc	66B-005	06/10/91		LT 0.5
Transite Panels	Misc	69-001	06/15/91		50.0
Transite Panels	Misc	69-001	06/15/91	D	55.0
Tar Paper	Misc	69-002	06/15/91		LT 0.5
Sheetrock	Misc	350-001	06/15/91		LT 0.5
Sheetrock	Misc	350-001	06/15/91	D	LT 0.5
Roof Shingles	Misc	350-002	06/15/91		LT 0.5
Roof Shingles	Misc	350-003	06/15/91		LT 0.5
Tar Paper	Misc	350-004	06/15/91		LT 0.5
Concrete Expansion/Joint	Misc	351-001	06/15/91		LT 0.5
Concrete Expansion/Joint	Misc	351-001	06/15/91	D	LT 0.5

D - Duplicate Sample
 LT - Less Than
 All Level 1 Data

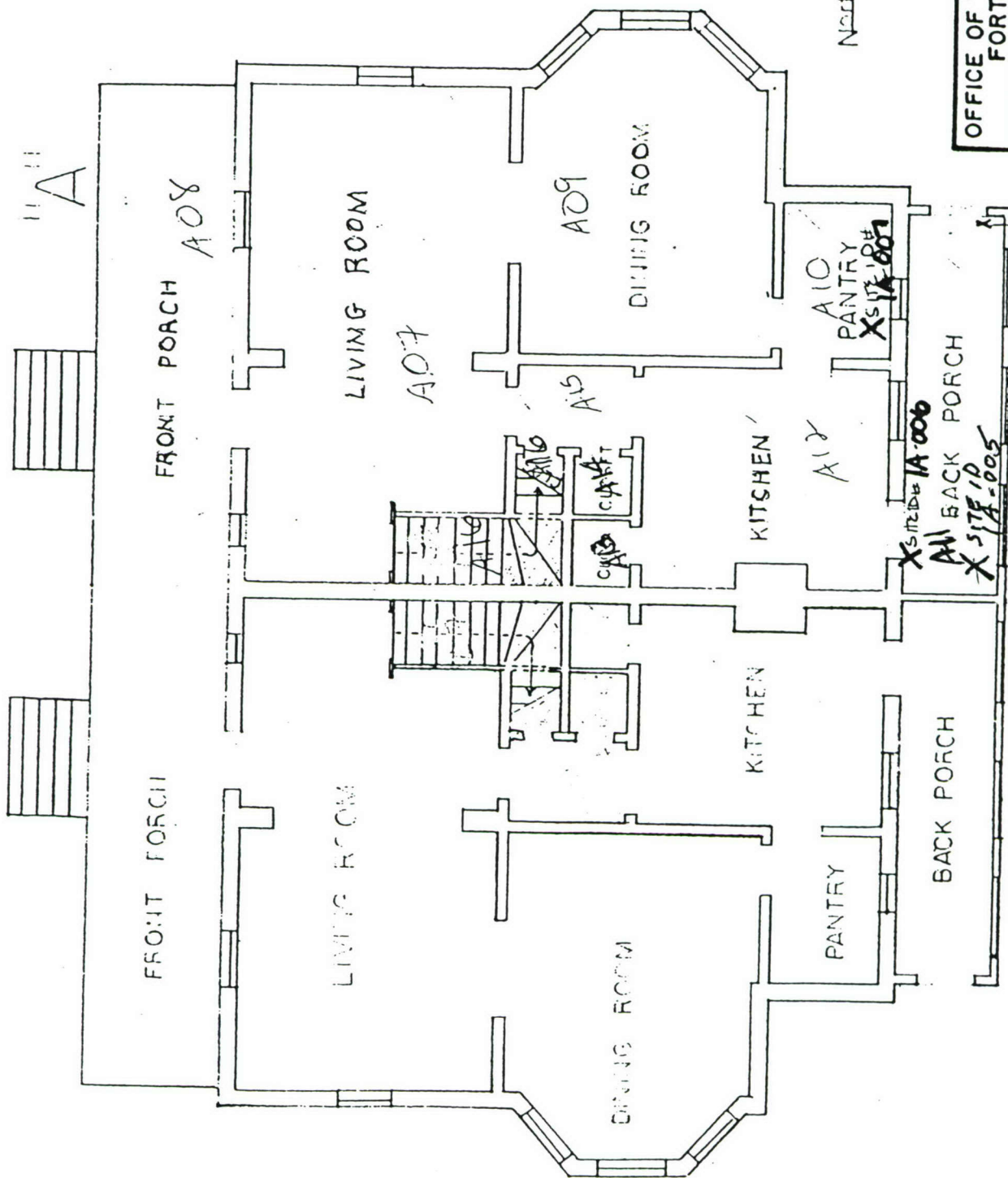
Appendix B

Locations of Asbestos Samples at
Fort Douglas, Utah, Excessed Area



OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH			
QUARTERS 7-A BASEMENT FLOOR PLAN			
DRAWN DRW	DATE 1/7/82	CHECKED	FILE
SCALE	SHEET		

APPROVED

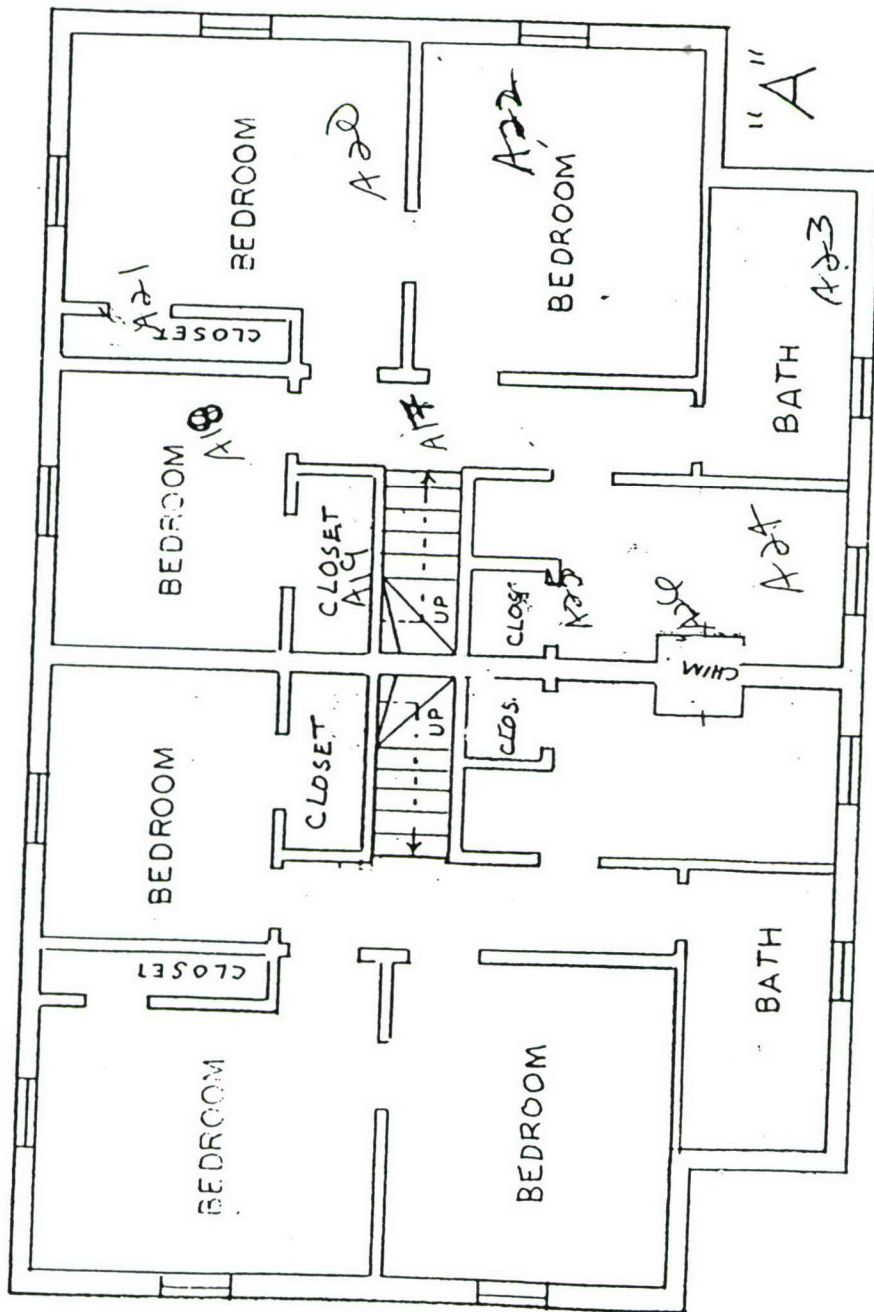


OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH			
QUARTERS I-A MAIN FLOOR PLAN			
DRAWN DRW	DATE 12/16/51	CHECKED	FILE
SCALE 1/4" = 1'	SHEET	NO.	

SITE ID#
1A-005

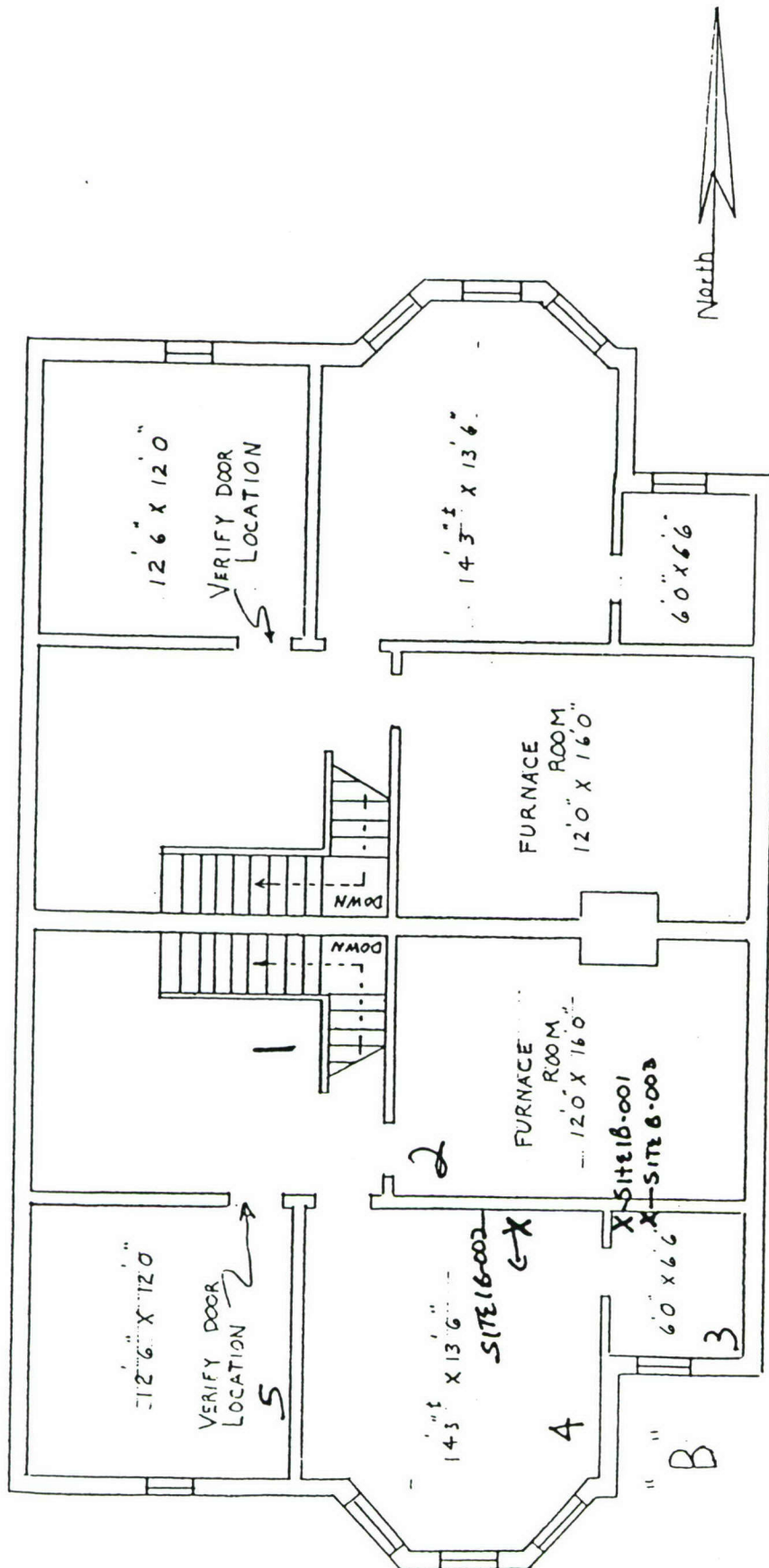
X SITE ID# 1A-006
X SITE ID# 1A-005

APPROVED



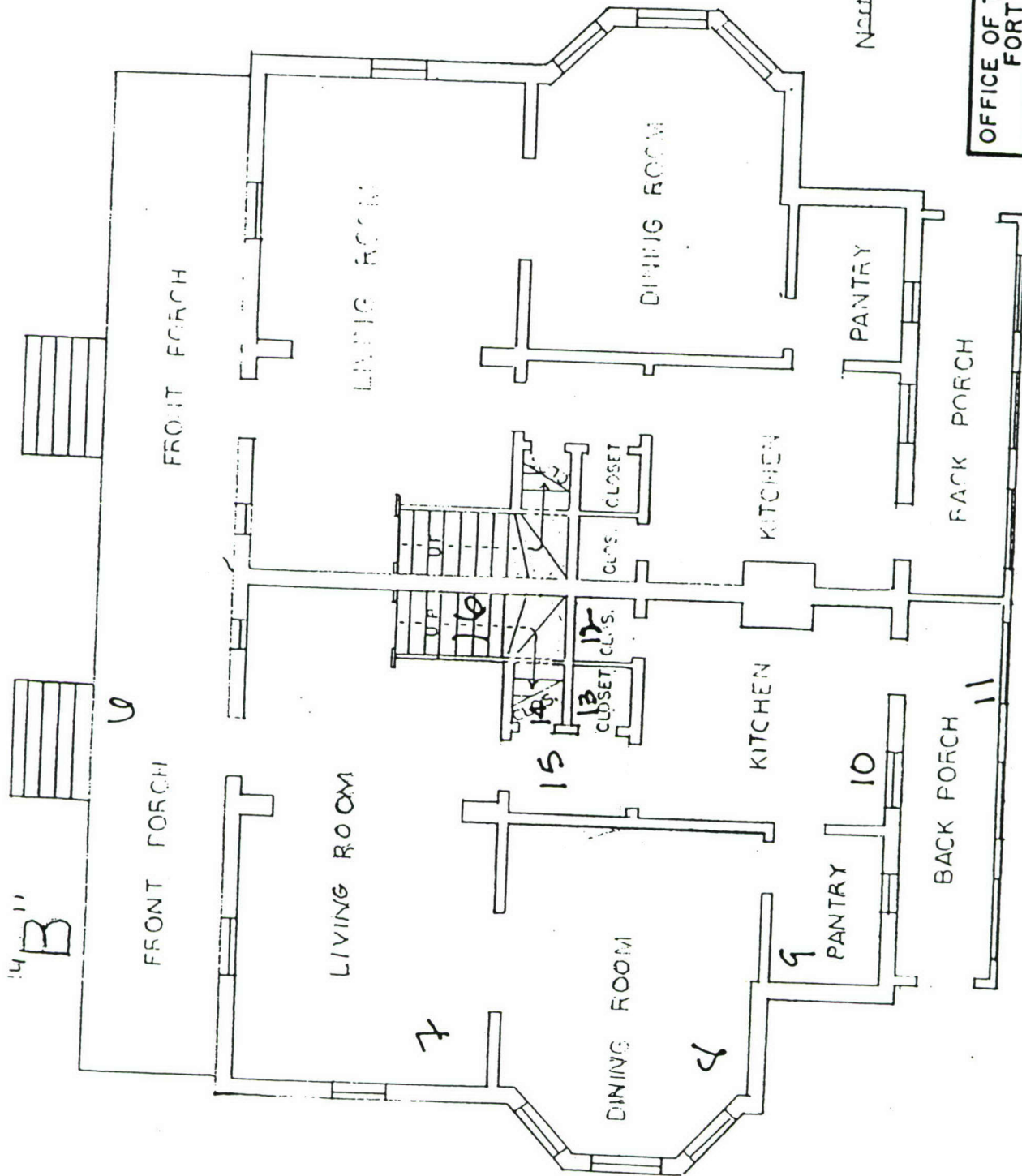
OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH			
QUARTERS 1-A			
UPSTAIRS FLOOR PLAN			
DRAWN	DATE	CHECKED	FILE
DRW	12/18/81		
SCALE	1/8" = 1'	SHEET	OF

APPROVED



1B

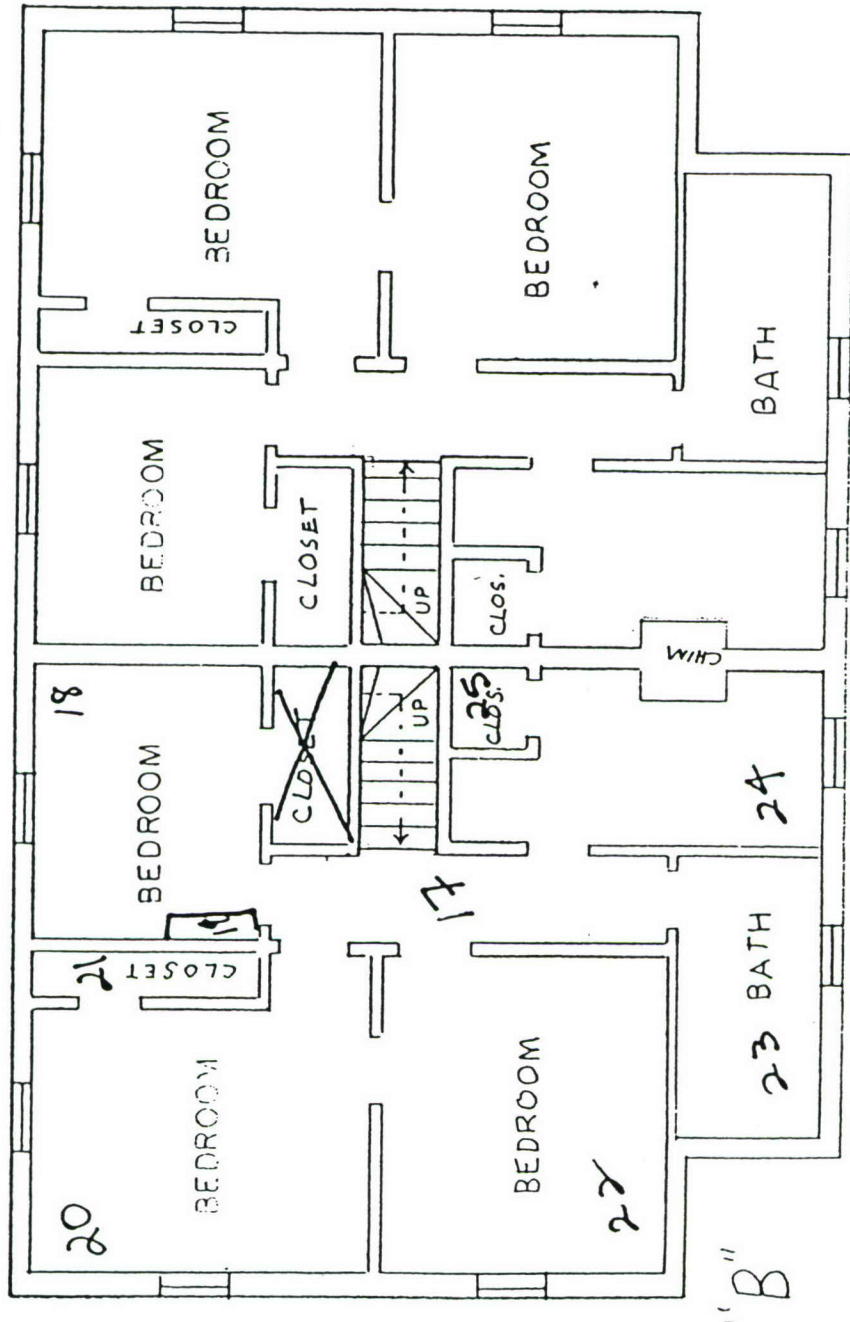
OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH			
QUARTERS 1-B BASEMENT FLOOR PLAN			
DRAWN DRW	DATE 1/7/80	CHECKED	
SCALE	SHEET	FILE	



North

OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH			
QUARTERS 1 B		MAIN FLOOR PLAN	
DRAWN	DATE	CHECKED	FILE
DRW	12/16/81		
SCALE	1/8" = 1'		

APPROVED

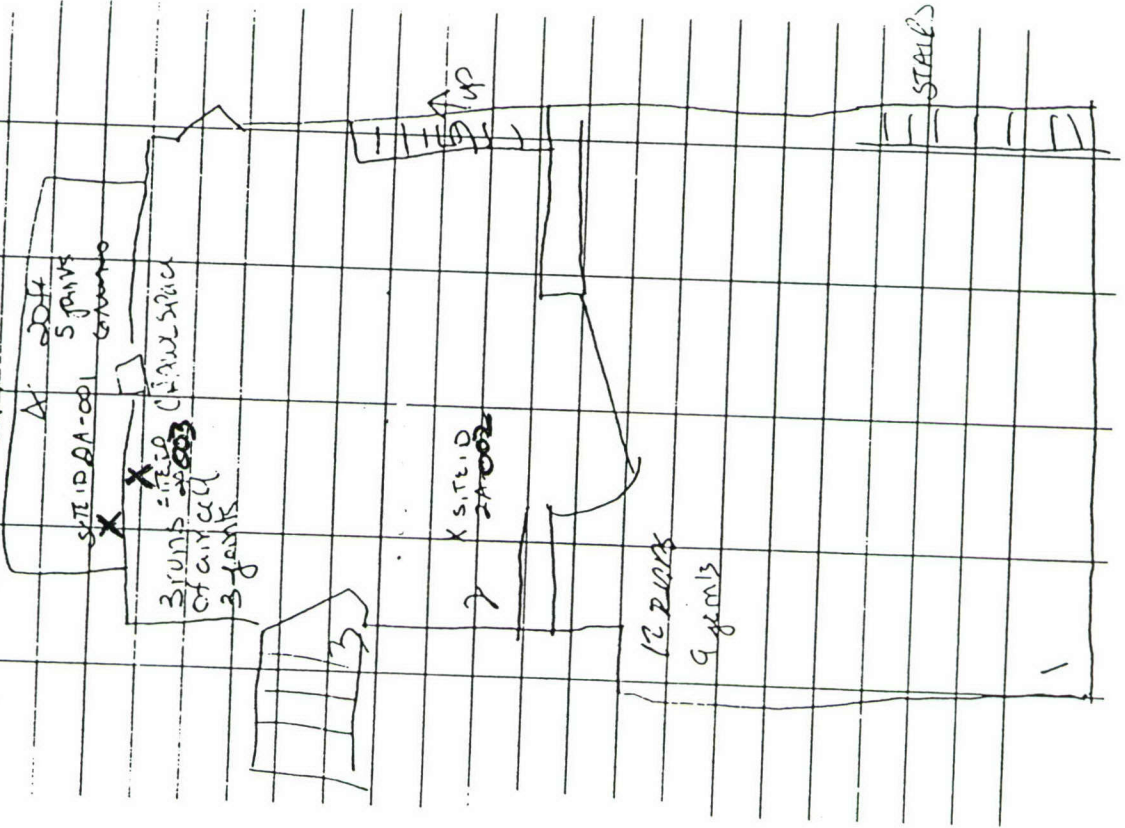


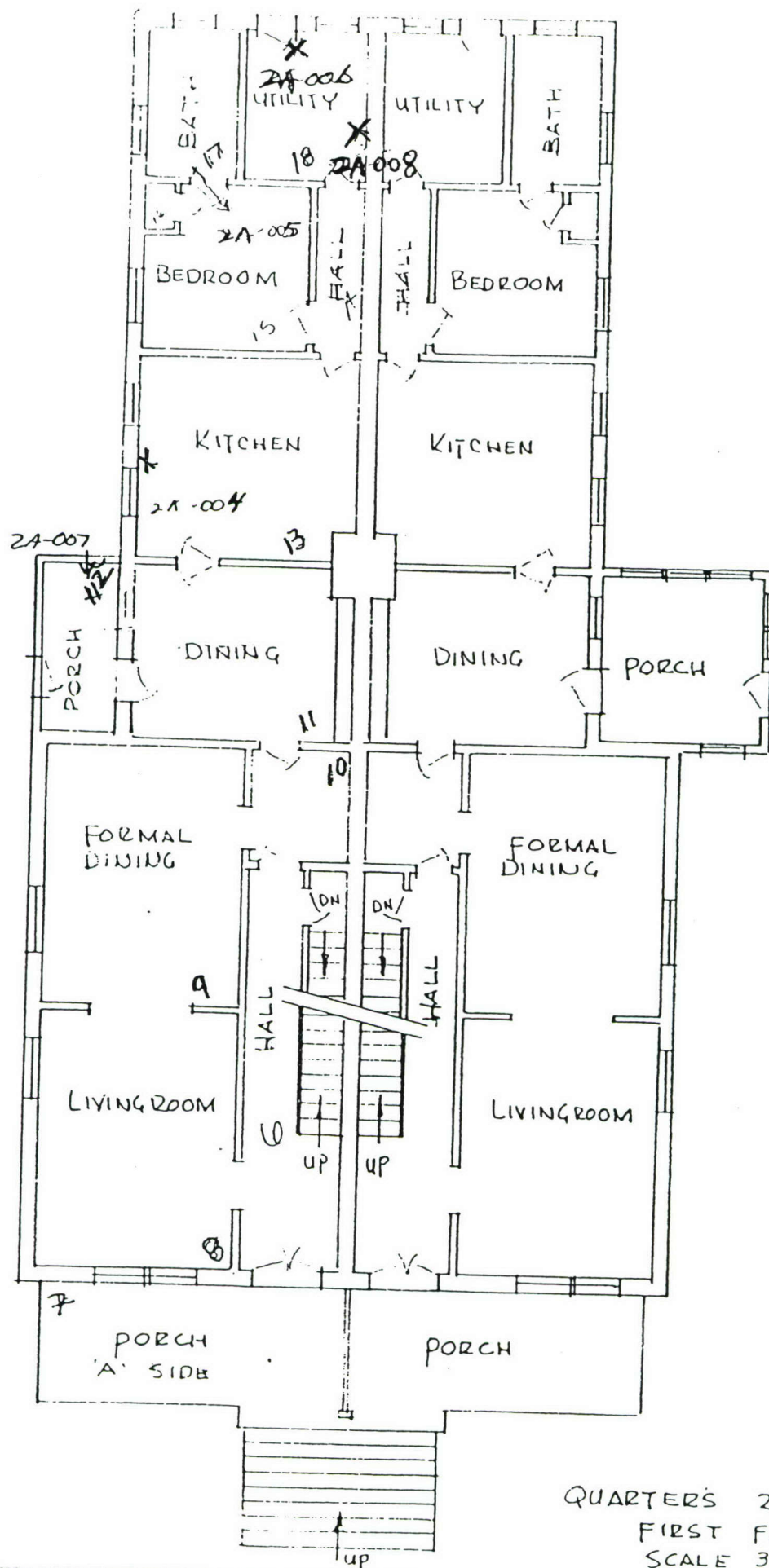
OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH			
QUARTERS 1 'B' UPSTAIRS FLOOR PLAN			
DRAWN DRW	DATE 12/12/21	CHECKED	
SCALE	SHEET	FILE	

APPROVED

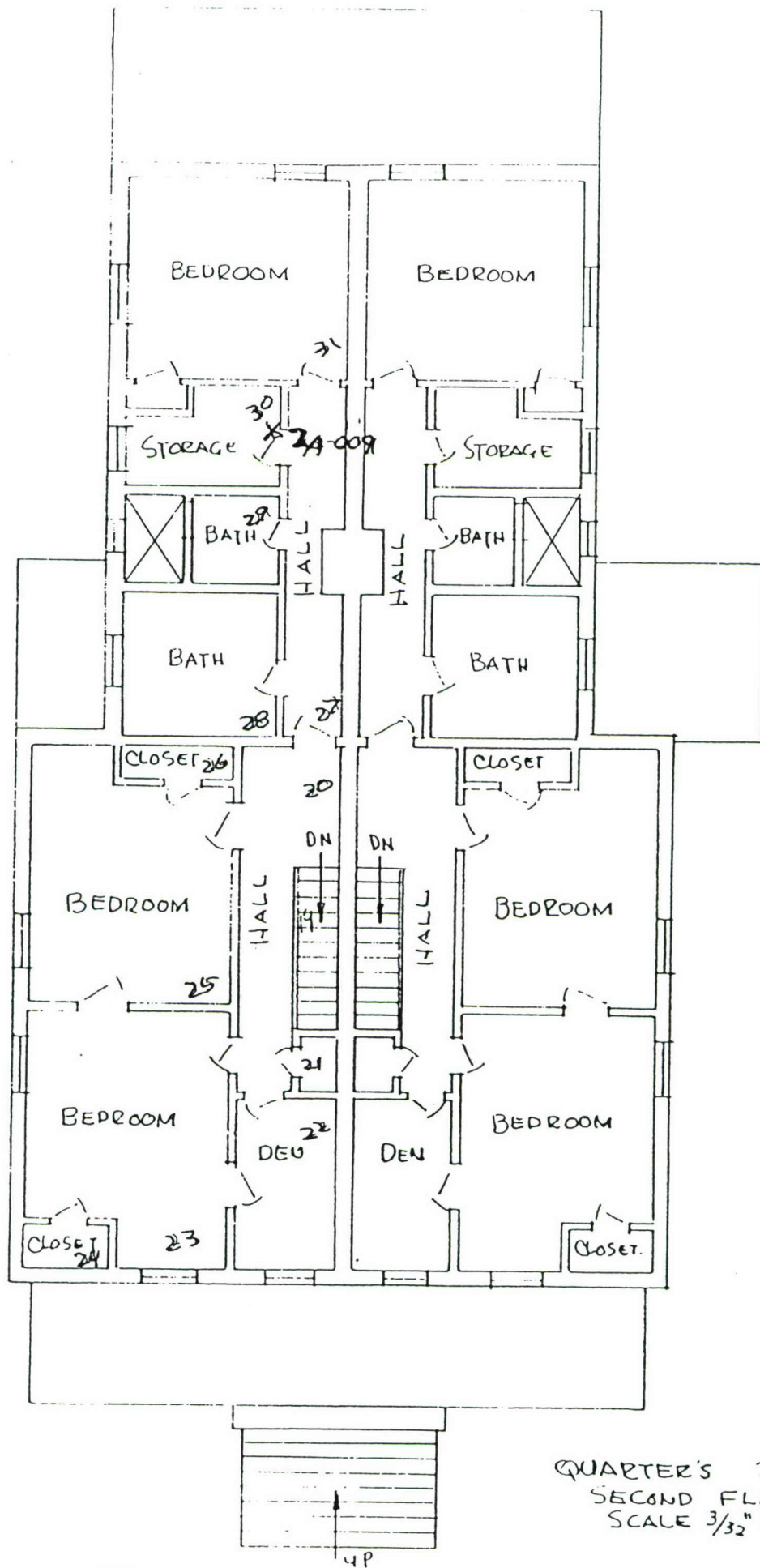
Building 2A

Basement Floor Plan

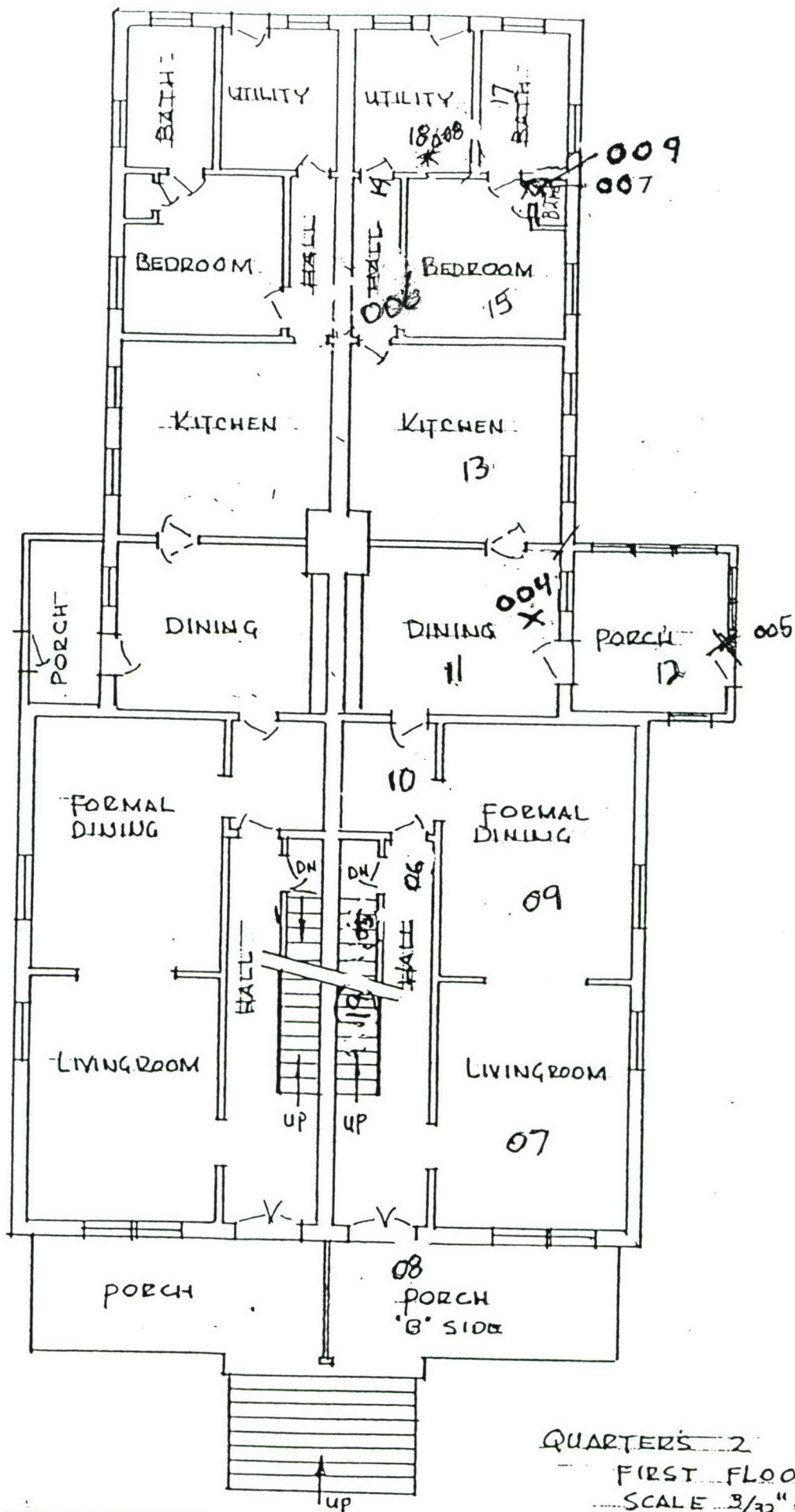




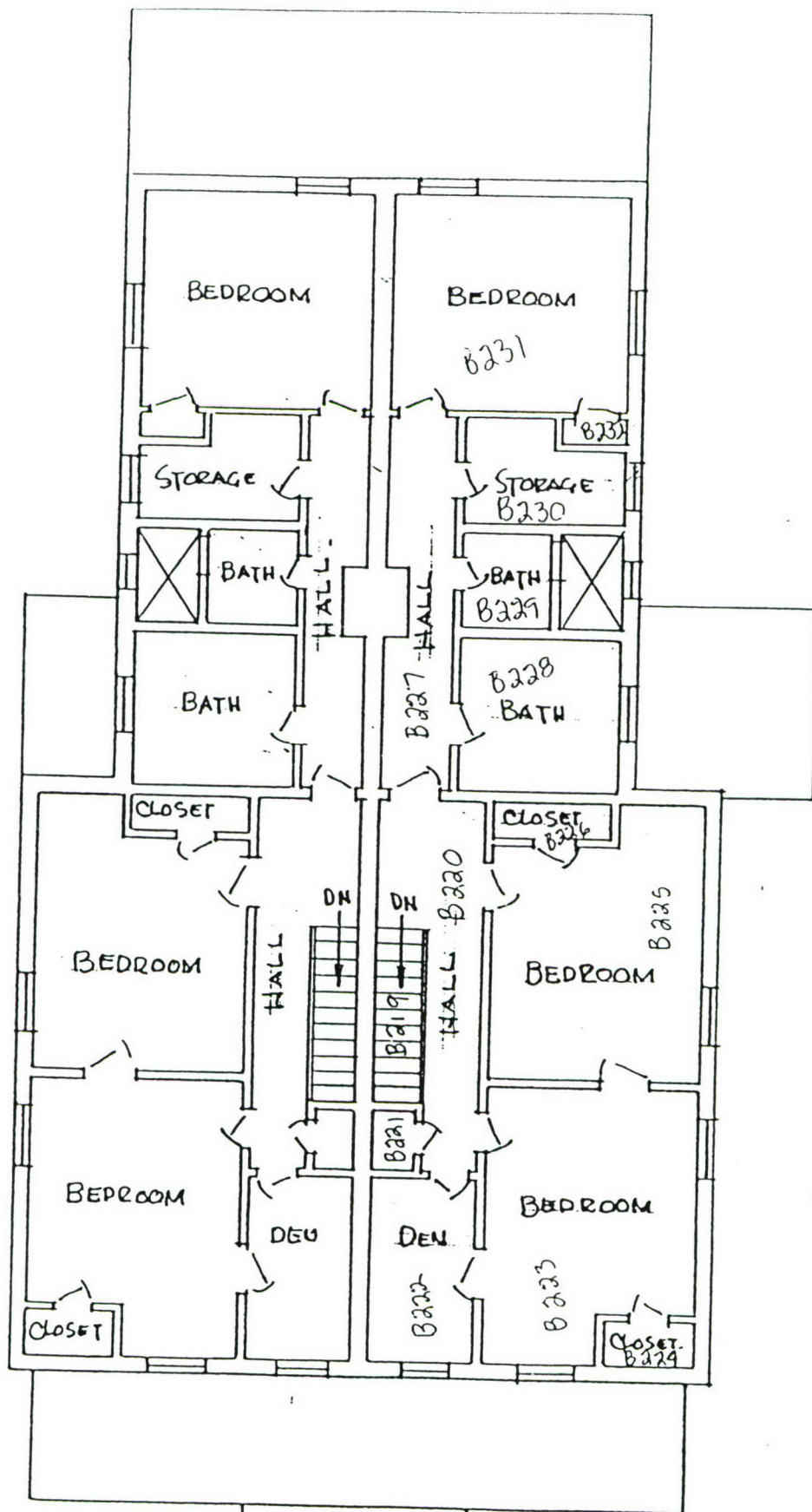
QUARTERS 2A
FIRST FLOOR
SCALE 3/32" = 1'-0"



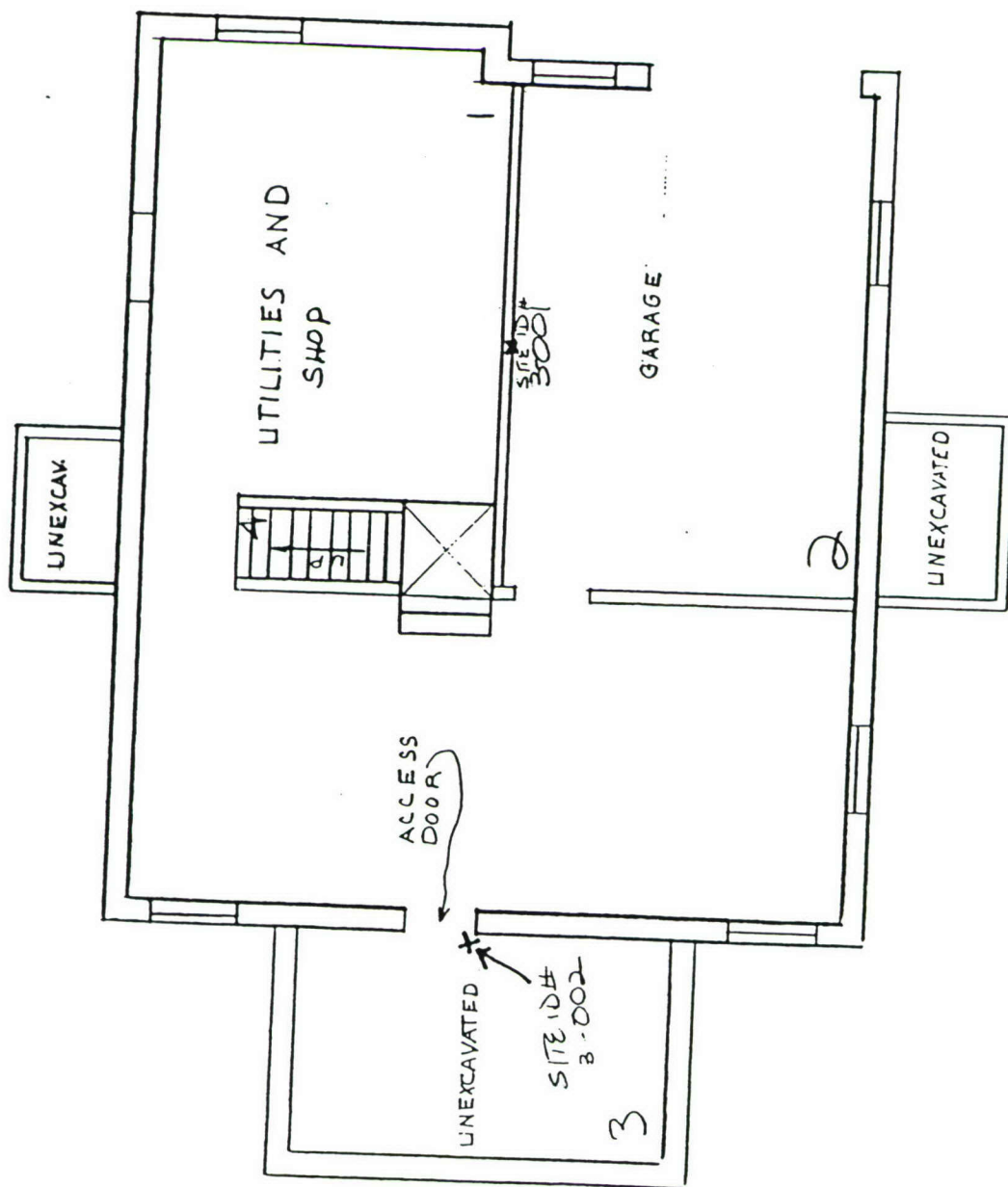
QUARTERS 2A
SECOND FLOOR
SCALE $\frac{3}{32}" = 1'-0"$



QUARTERS 2 B
 FIRST FLOOR
 SCALE 3/32" = 1'-0"



QUARTER'S 2 B
SECOND FLOOR
SCALE 3/32" = 1'0"



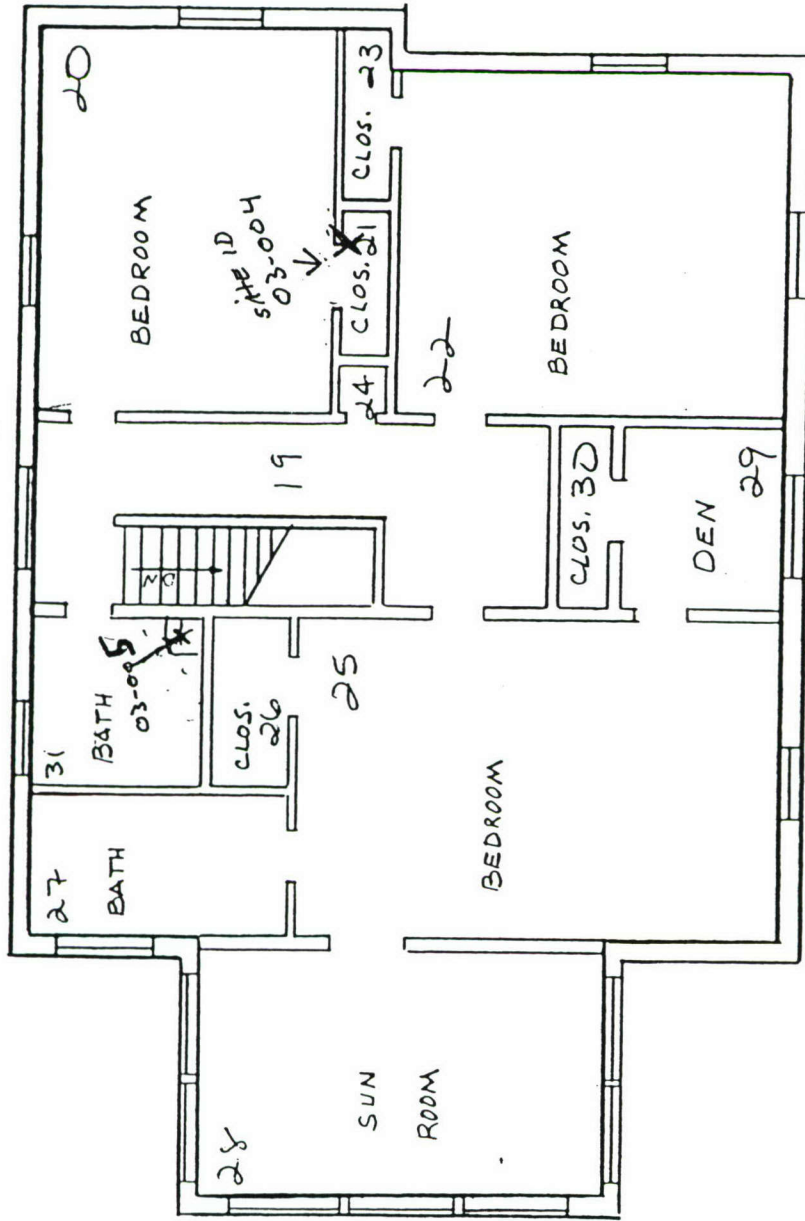
SCALE 1/8" = 1'

QTR'S - 3 - BASEMENT



QTR'S - 3 - MAIN FLOOR

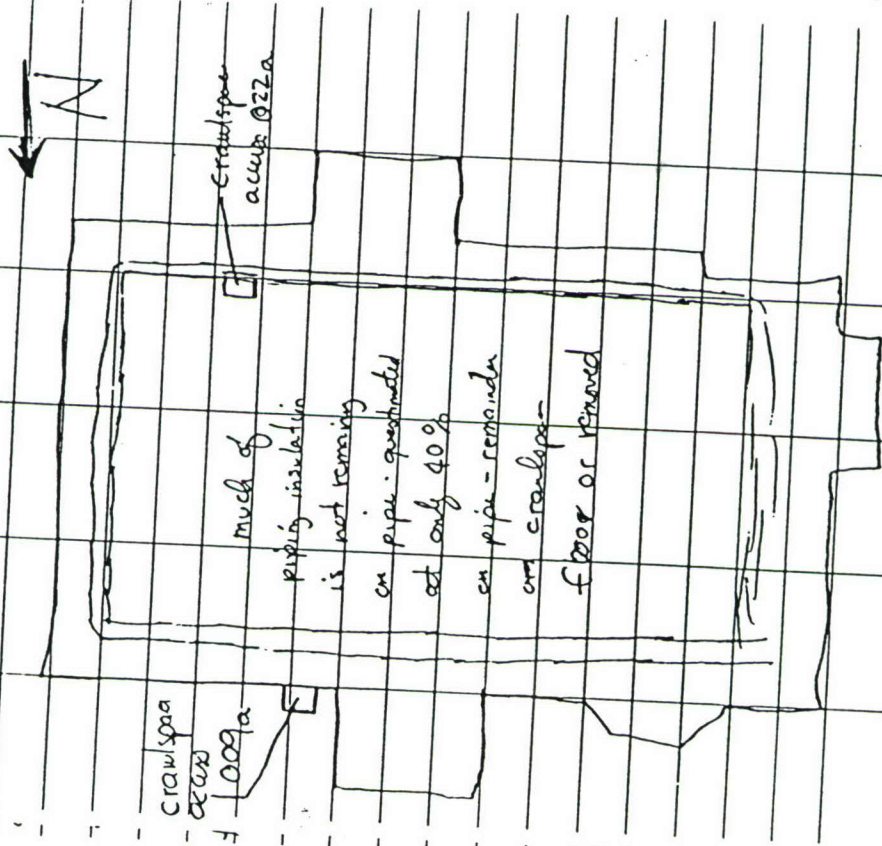
ATTIC = 18, 18a



QTR'S -3 SECOND FLOOR
SCALE 1/8" = 1'

Bldg 4

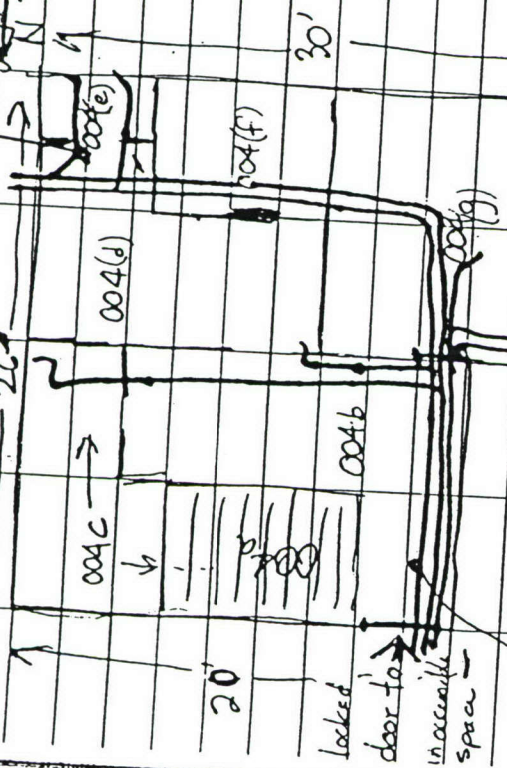
004 (g) concrete floor, air cell, mag. & fiberglass
pipe insul, plaster (c & w)
* could not access room directly
was only able to view through
a window



Sample # 4006
Indium (f)
at base of left
down to N 1500 ft

Bacterium - see notes on pg. 00-087	$\Delta \text{indium(f)}$
	at base of left
	each hand

261



~150' total piling

022(a) basement crawl space - unexcavated
air cell debris on floor - See diagram

was for 880-100

3A 6/18k1

Sample # 4-008

block pipe insulation at base ~~on~~ pipe
of stairway ^{pipe} 6' from floor 3' from
North wall

↑N

site ID
4-001

site ID
4-001

site ID 4-007

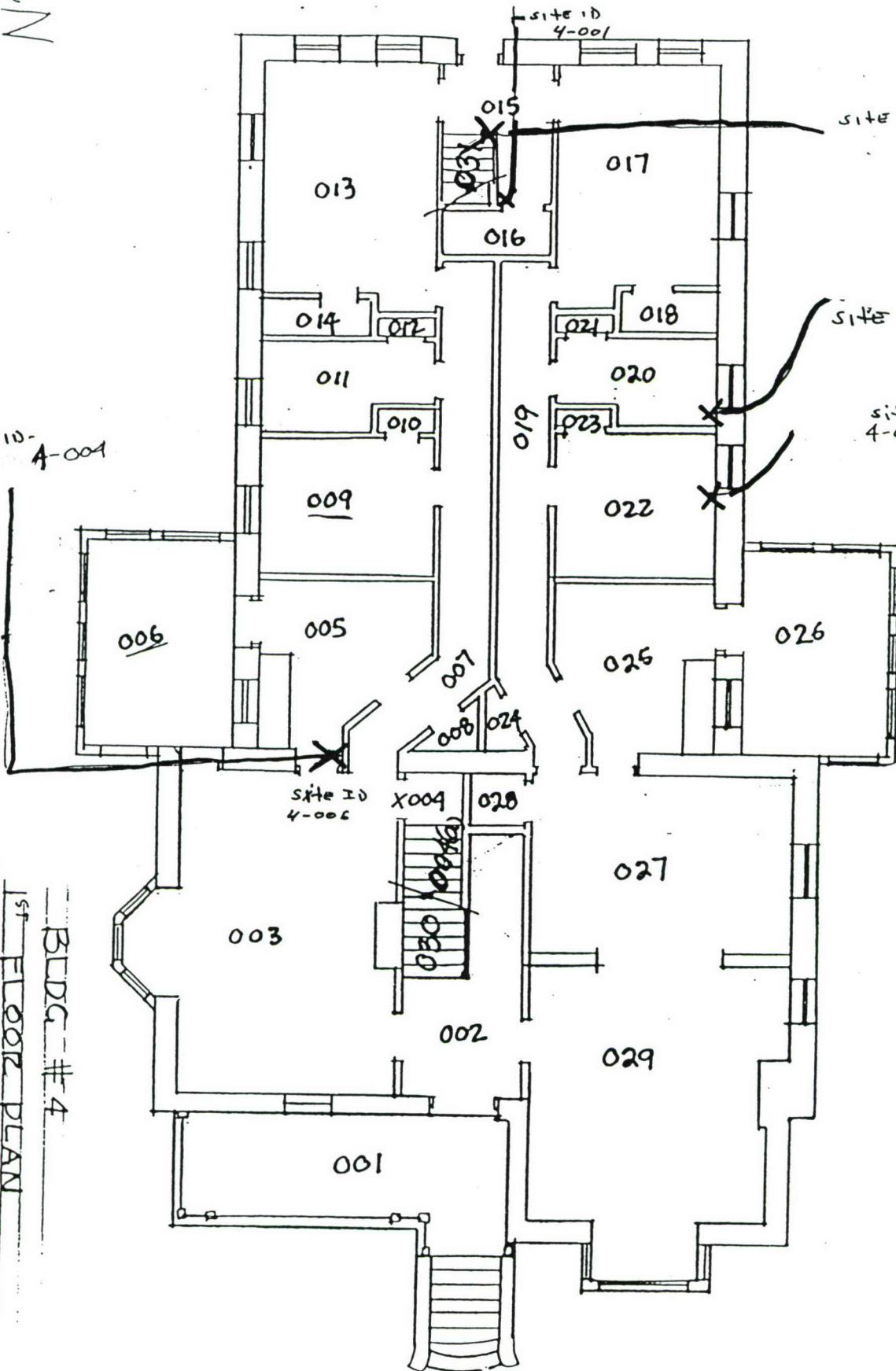
site ID 4-003

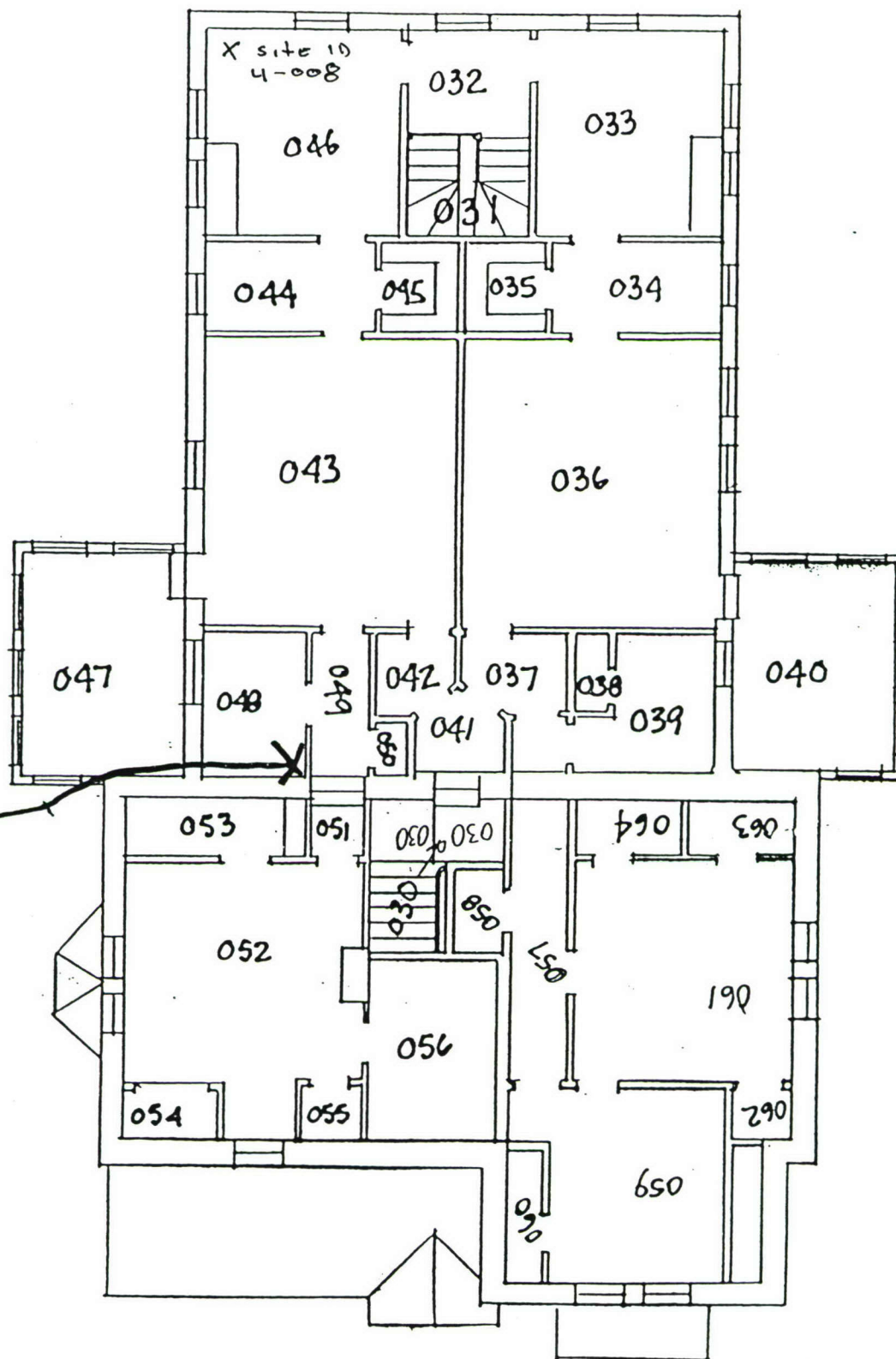
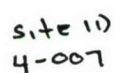
site ID
4-002 & D

site ID
4-005

X004

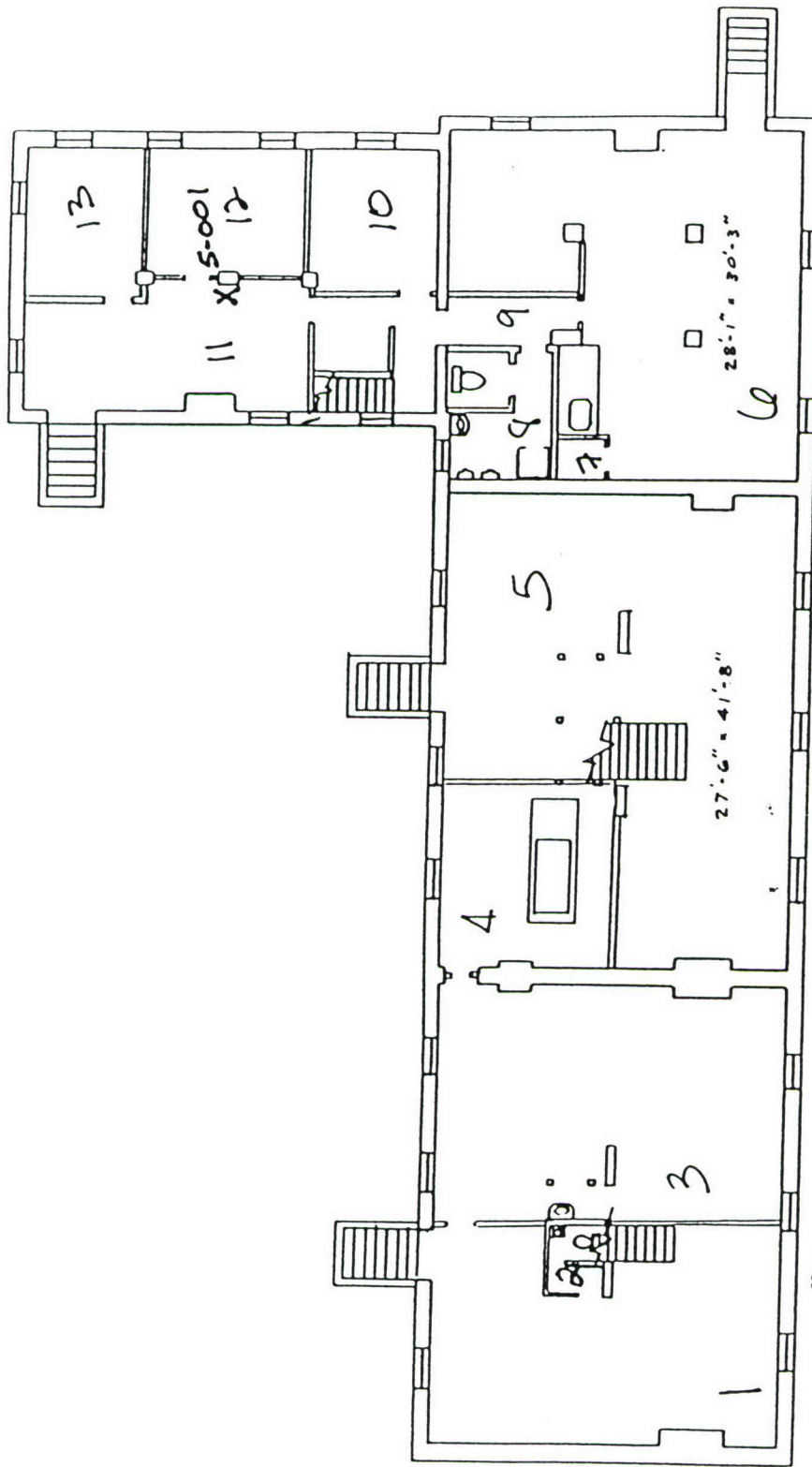
BUDG #4
1st FLOOR PLAN
3/32" = 1'-0"





Bldg # 4
2nd Floor Plan

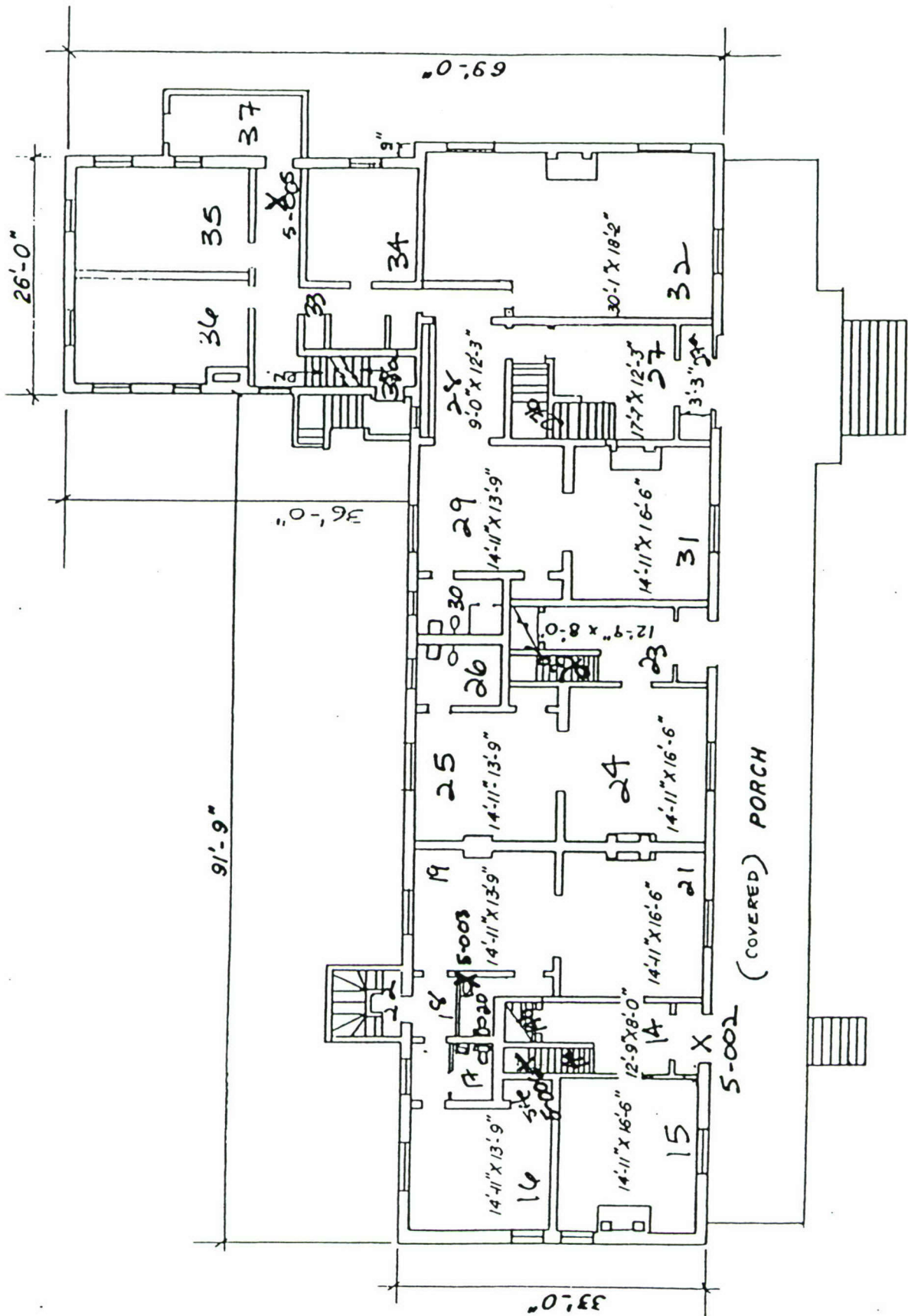
$$\frac{3}{32}'' = 1'' - 2''$$



BASEMENT, BLDG. 5
SCALE 1/8" = 1'

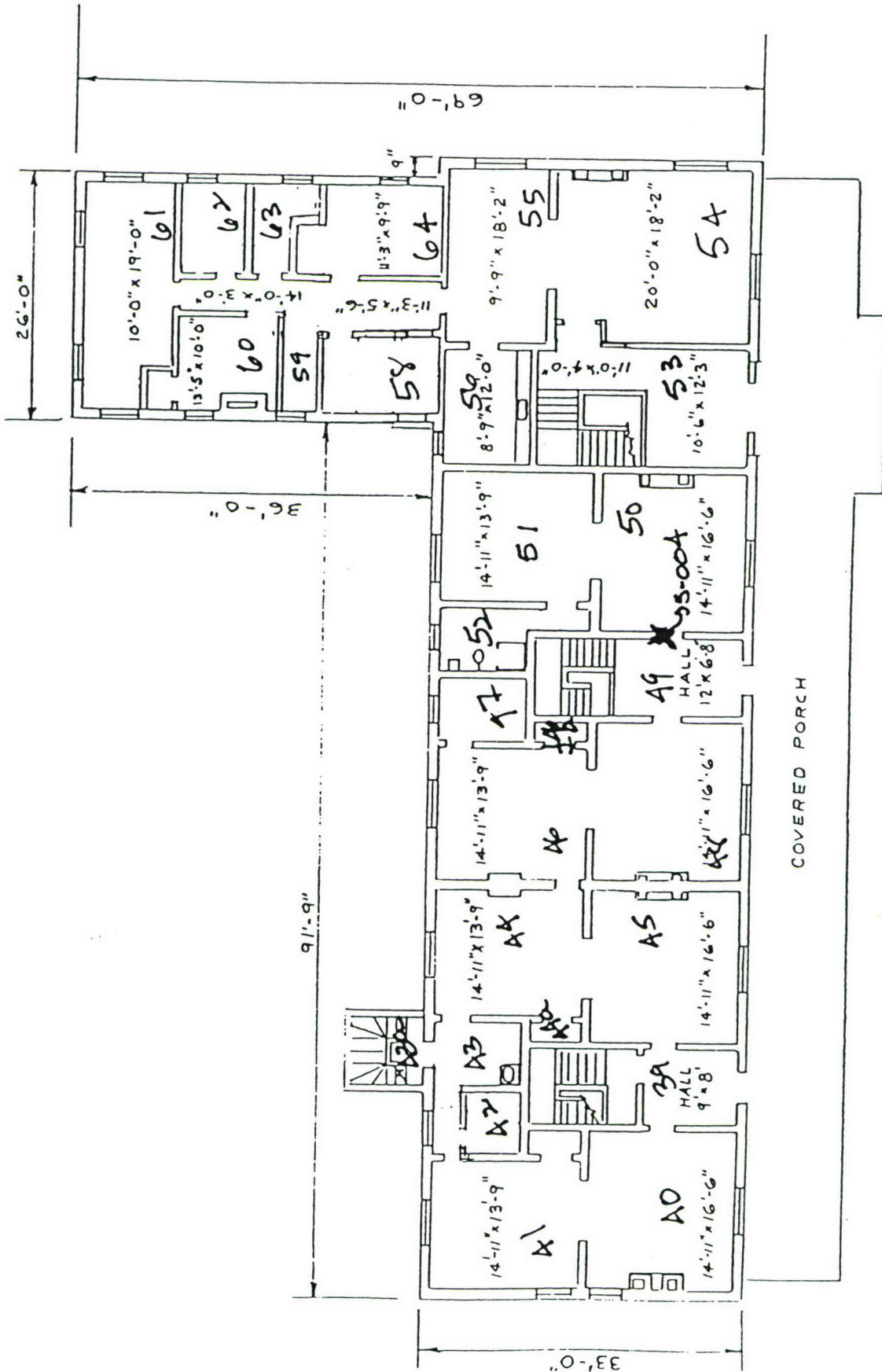
OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH			
DRAWN	DATE	CHECKED	FILE

REV. 4-28-89 R.B.L.
AS SHOWN



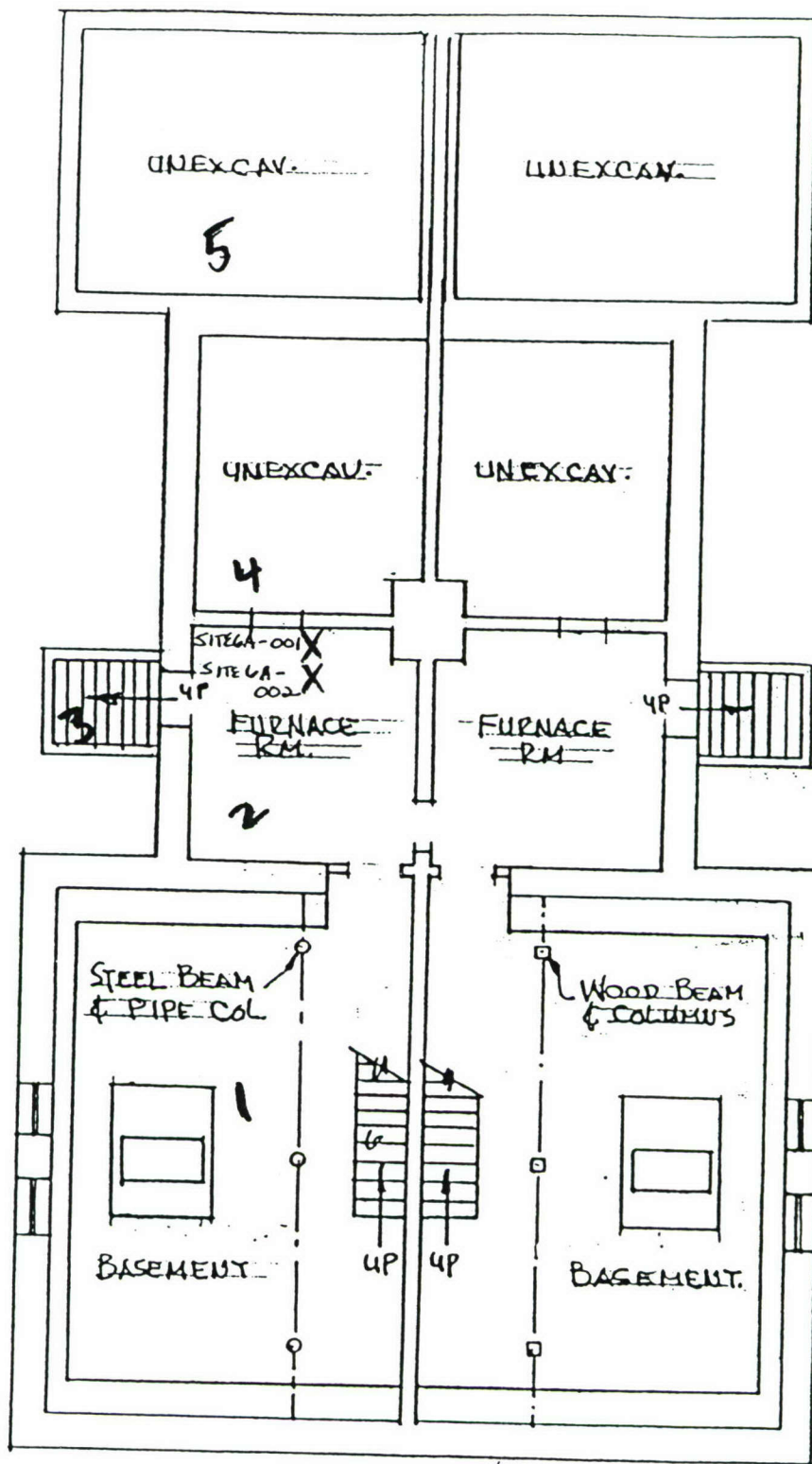
FIRST FLOOR BLDG. 5 scale: 1/16" = 1'-0"

REV. 4-28-39 R.D.L.



SECOND FLOOR BLDG. 5
SCALE 1/16" = 1'-0"

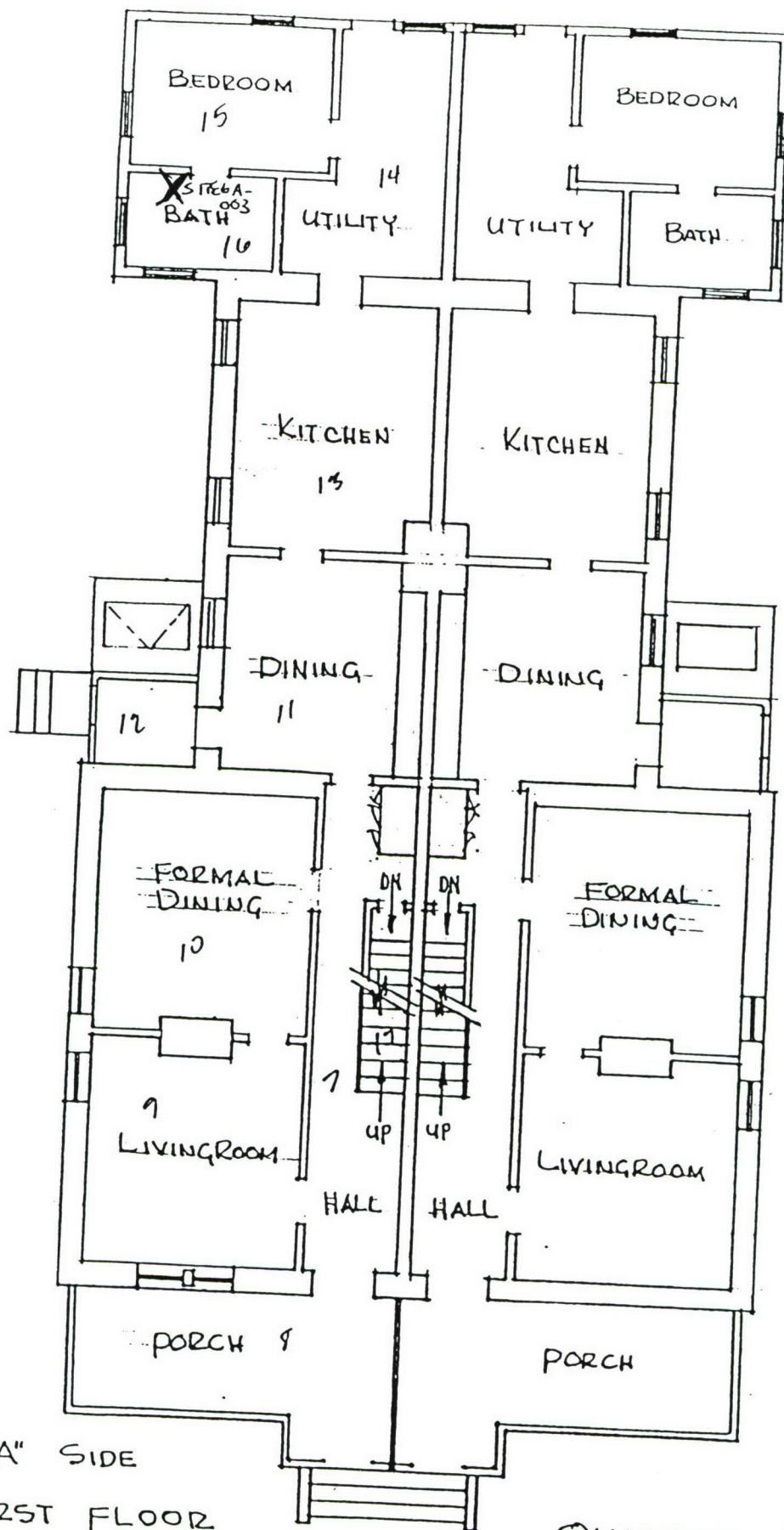
REV 4-29-73 R 23



"A" SIDE

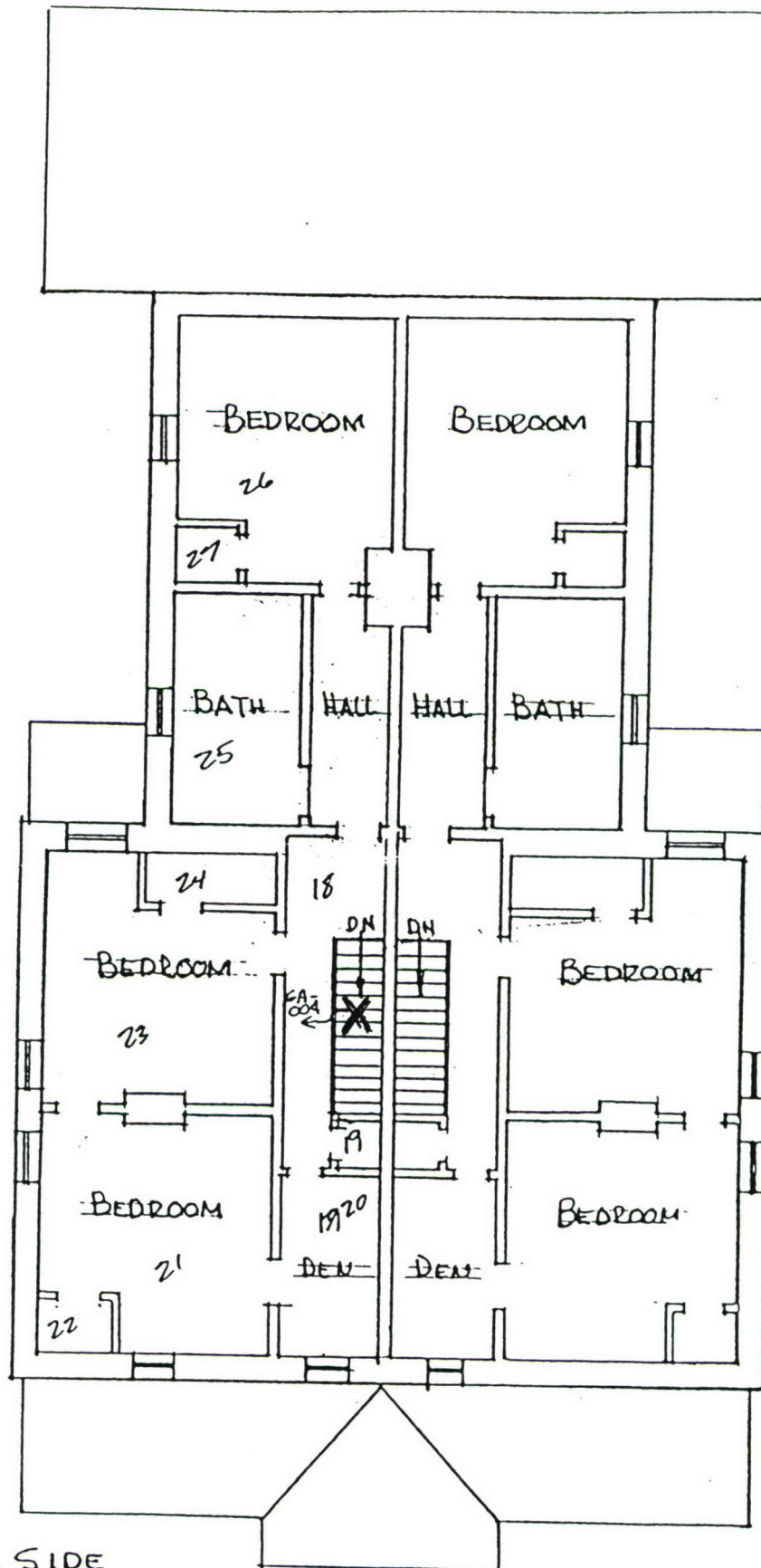
BASEMENT FLOOR

QUARTERS - 6
 $3/32" = 1'-0"$



"A" SIDE
FIRST FLOOR

QUARTERS - 6
3/32" = 1'-0"



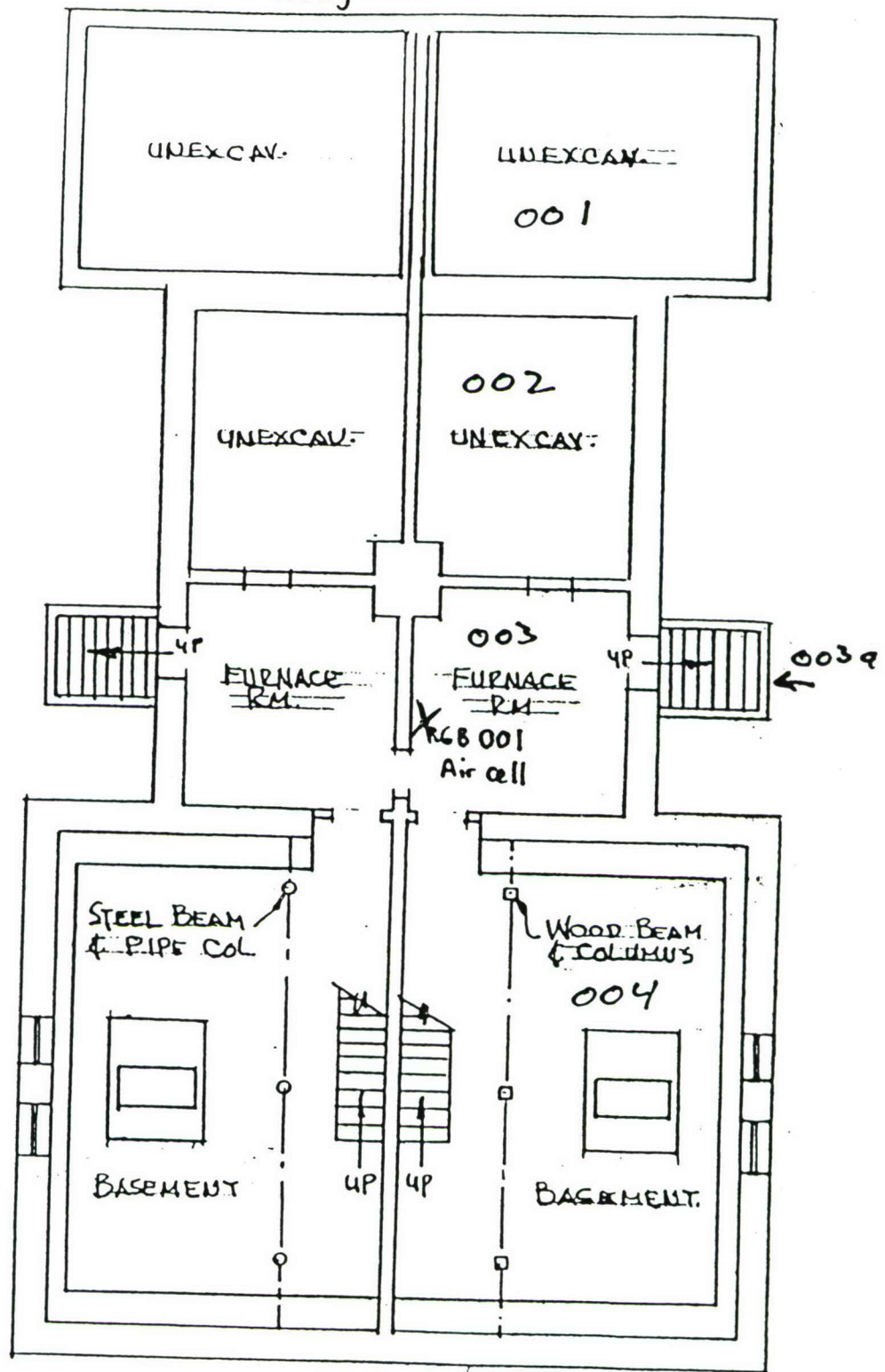
"A" SIDE

SECOND FLOOR

QUARTERS-6

$\frac{3}{32}" = 1'-0"$

Sample # Designations
Bldg - 6 B



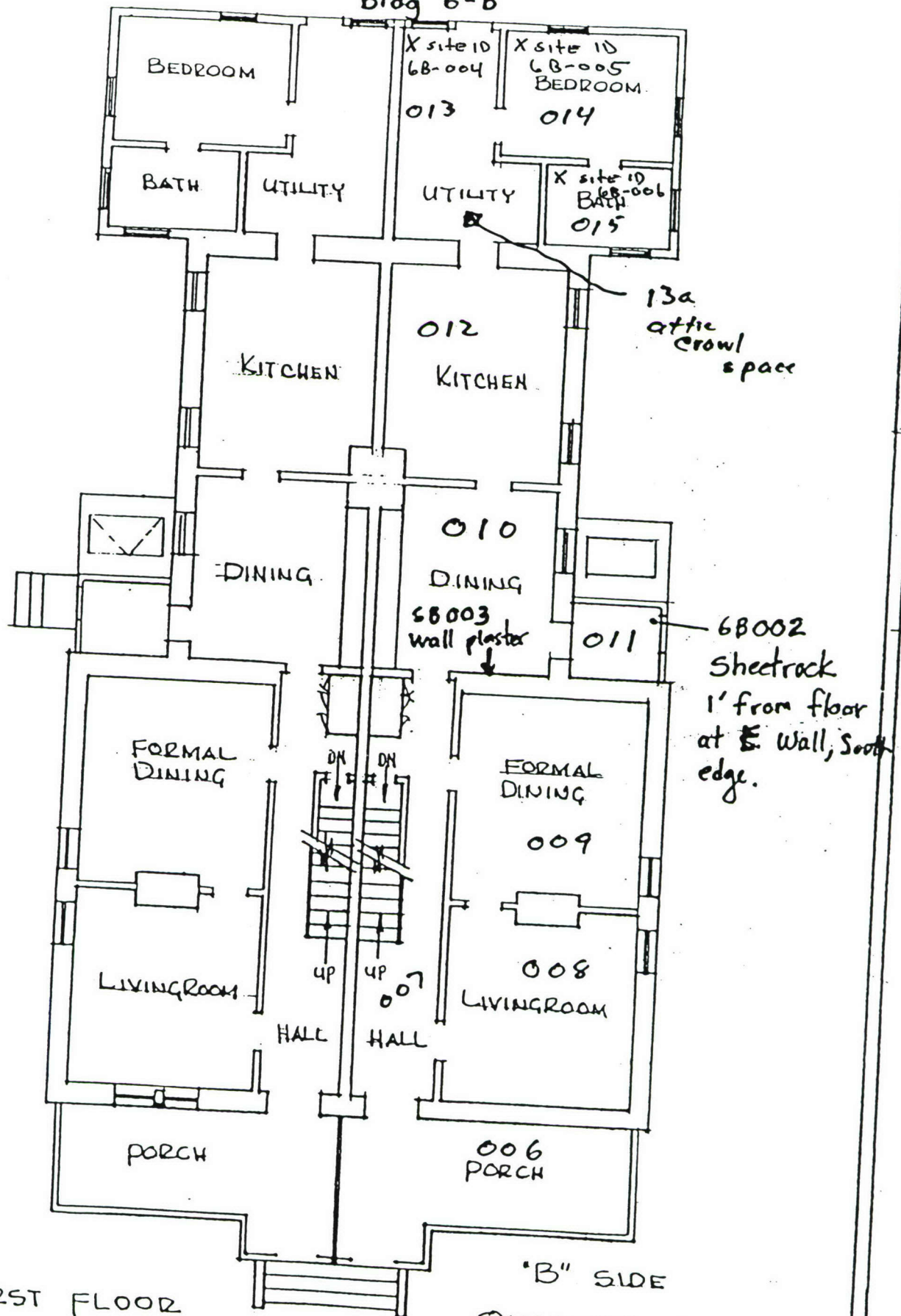
N ↑

BASEMENT FLOOR

"B" SIDE

QUARTERS - 6
3/32" = 1'-0"

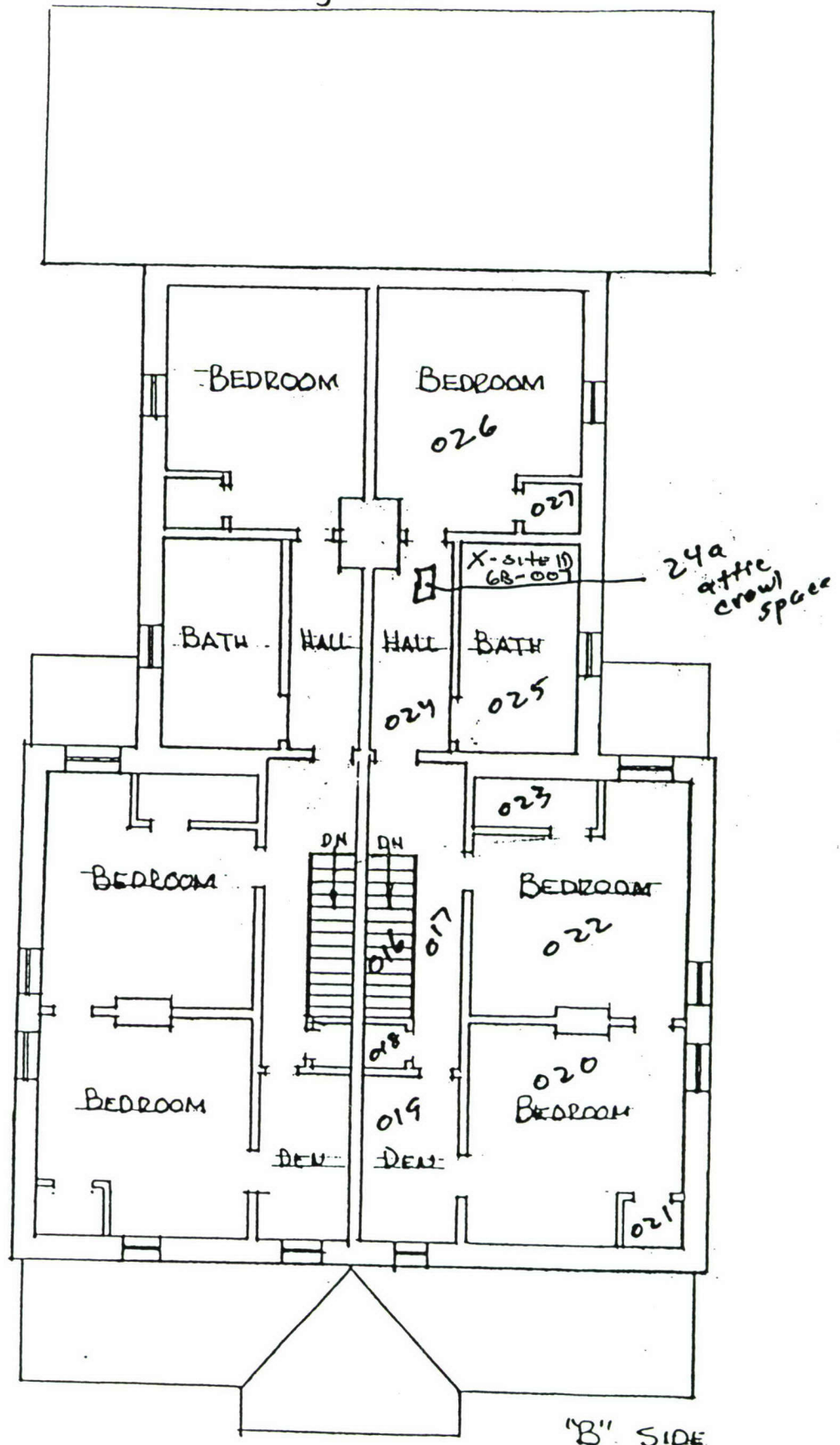
Sample # Designations Bldg 6-B



FIRST FLOOR

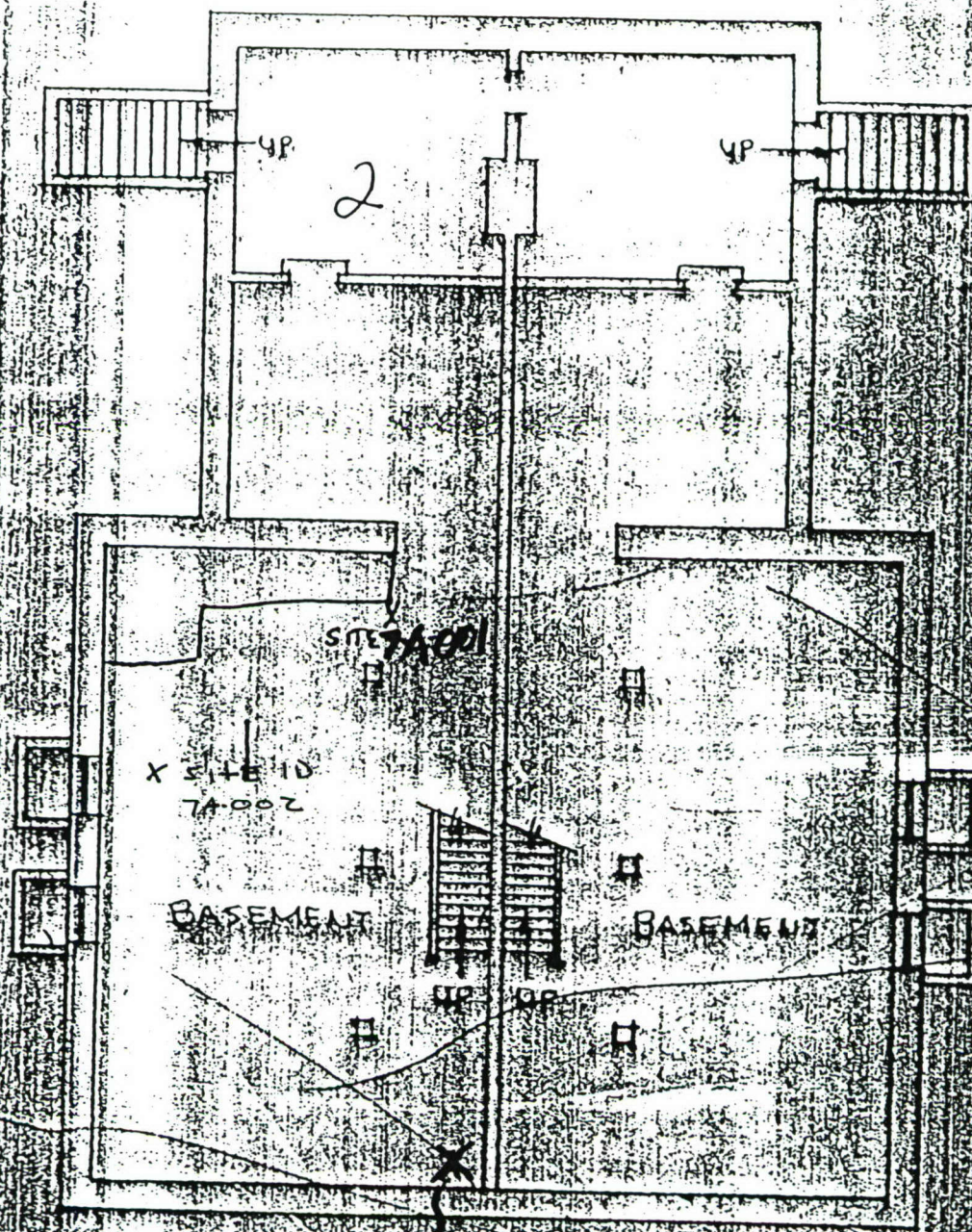
"B" SIDE
QUARTERS - 6
 $\frac{3}{32}'' = 1'-0''$

Sample # Designations
Bldg. 6-B



SECOND FLOOR

QUARTERS = 6
3/32" = 1'-0"



7A SIDE

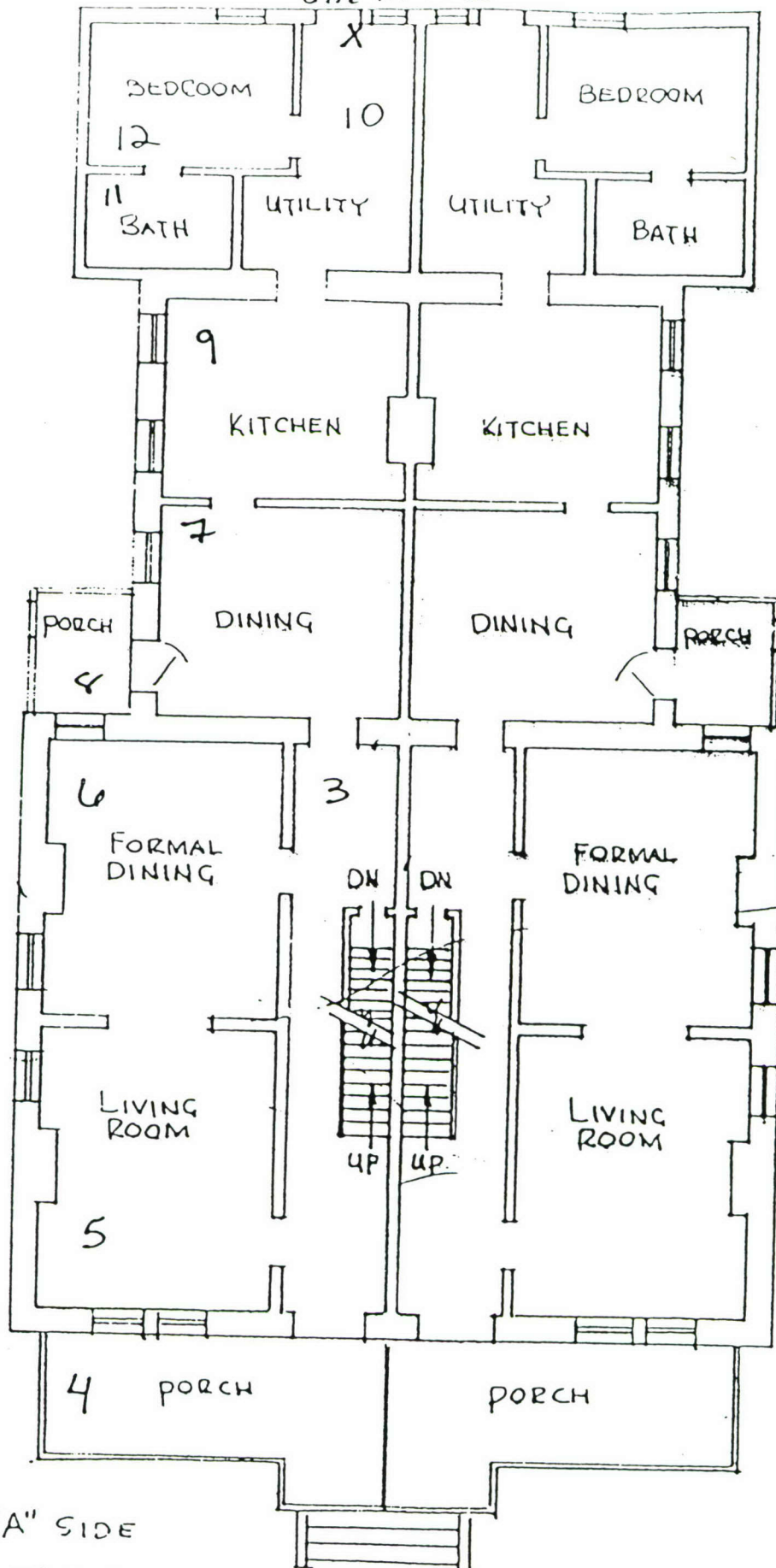
BASEMENT

QUARTERS 7
3/32" x 1/4"

7A

SM 7A-003

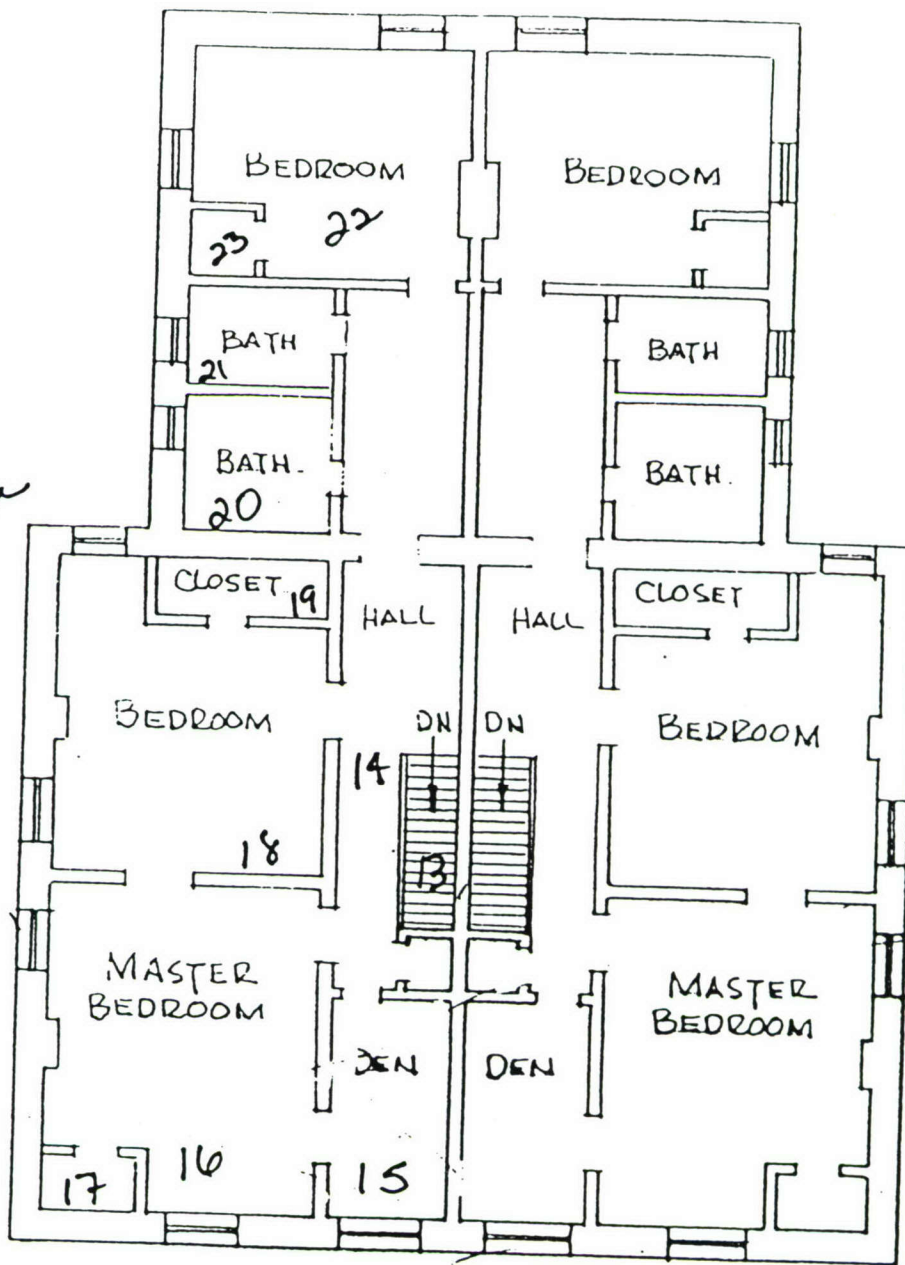
10a =
attic



"A" SIDE
FIRST FLOOR

QUARTERS - 7
3/32" = 1'-0"

Attic = 15a

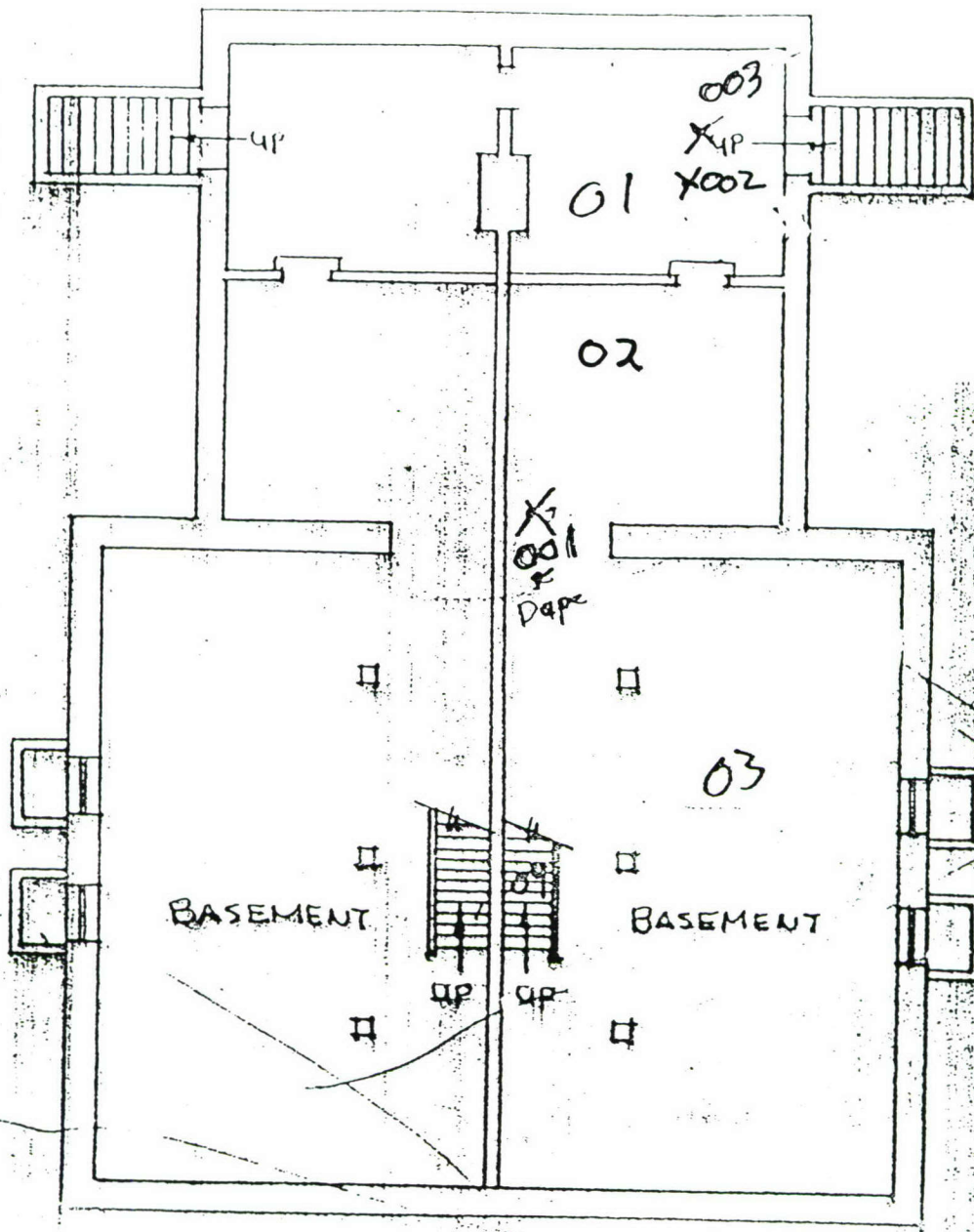


"A" SIDE

SECOND FLOOR

QUARTERS 7
 $\frac{3}{32}'' = 1'-0''$

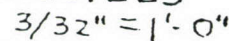
Sample location map



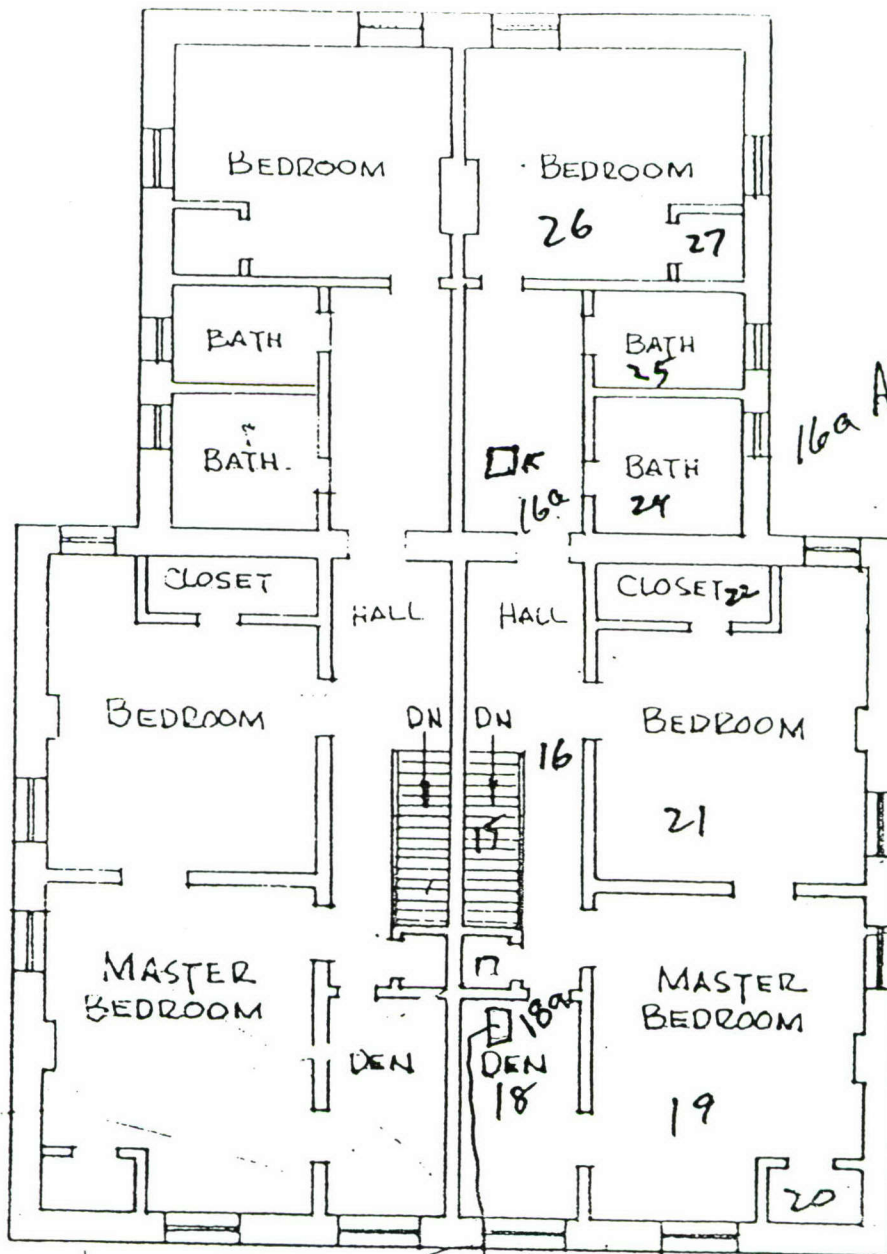
"B" SIDE

BASEMENT

QUARTERS 7
3/32" K1'0"



FIRST FL-02



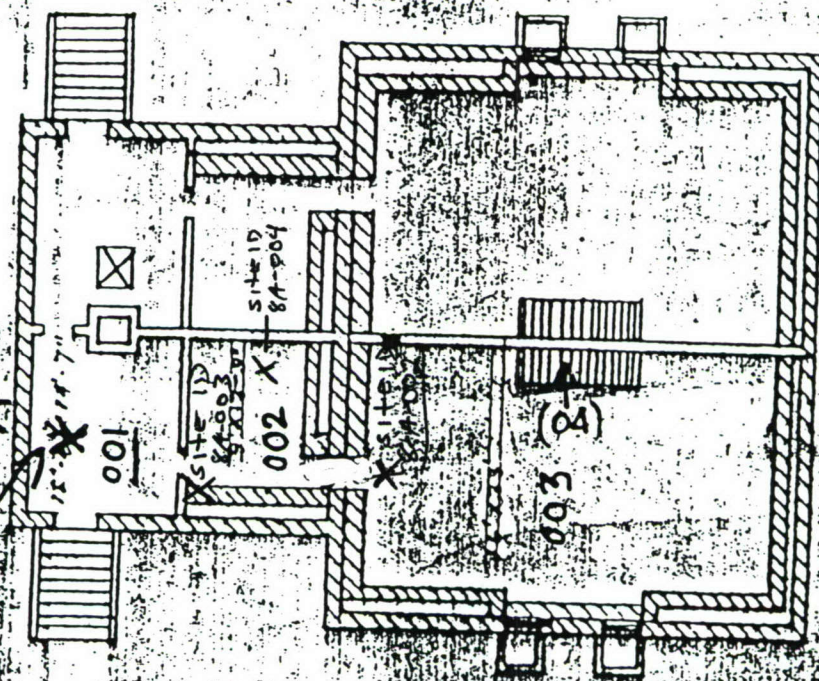
16a Attic

attic
crawl
space

"B" SIDE

SECOND FLOOR

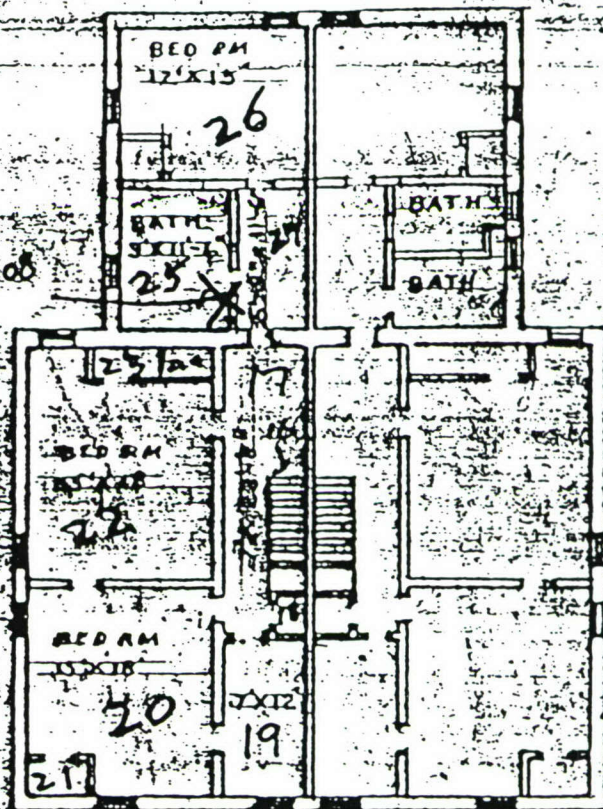
QUARTERS 7
3/32" = 1'-0"



Bldg 8A Functional Space designations

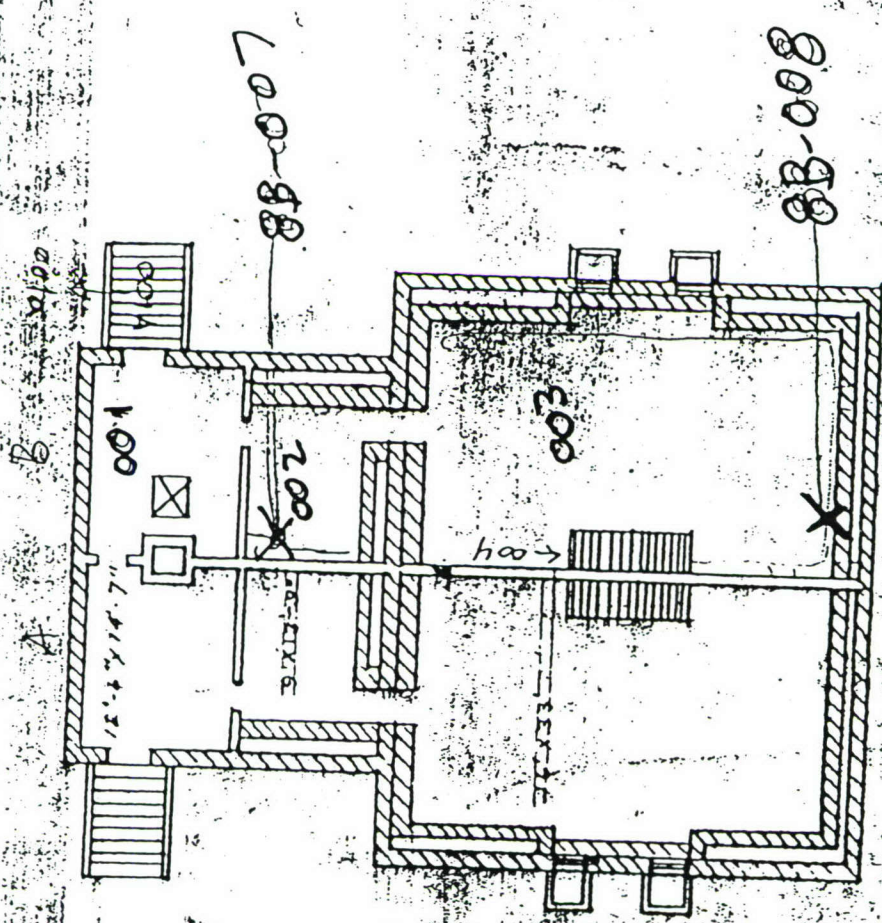
8A-001

Bldg 8A Functional Space
designations



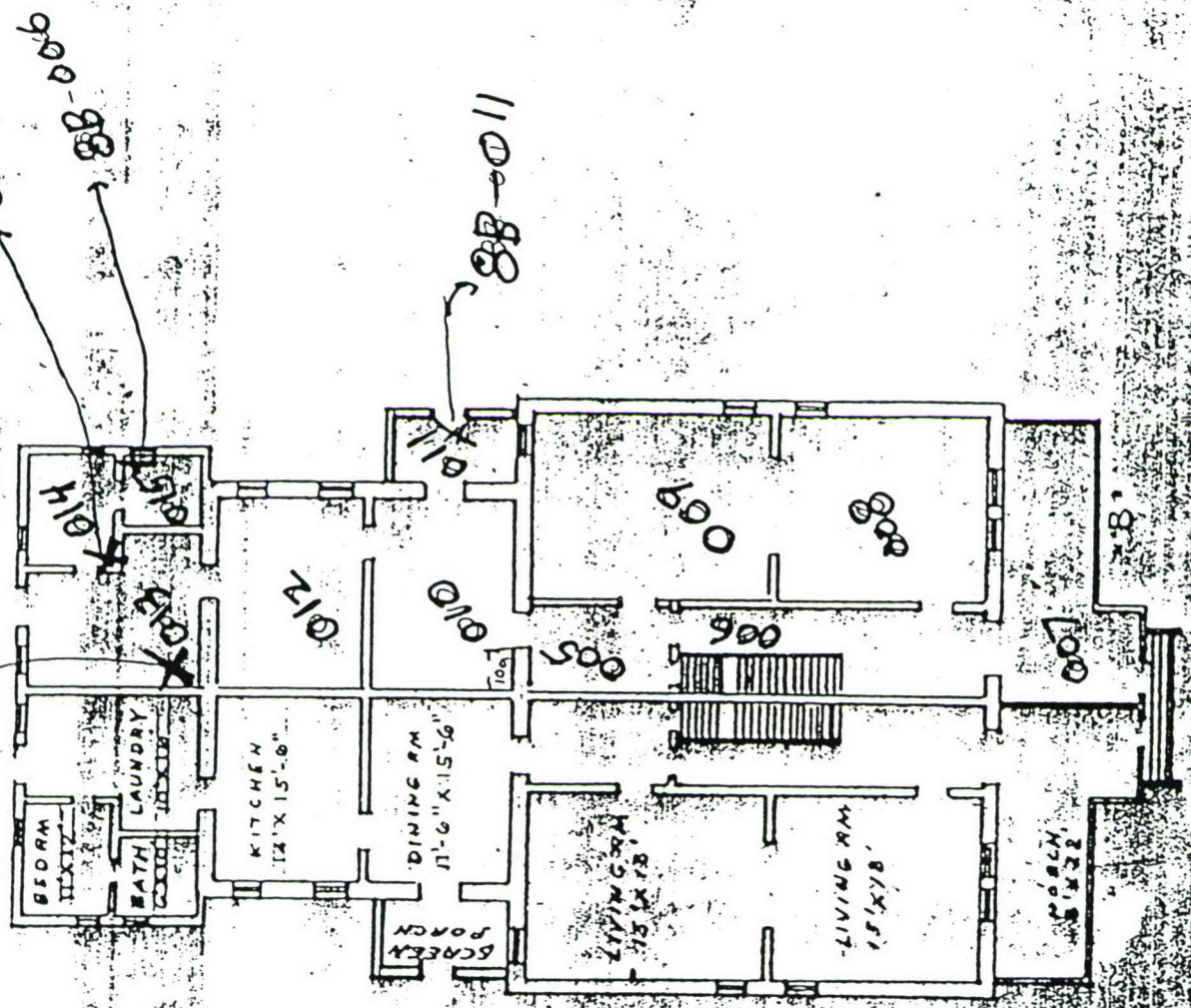
SECOND FLOOR QTR 8A
SCALE 1/4" = 1'-0"

Bldg 8A SAMPLE LOCATIONS



BASEMENT QTR 5 B-A
in scale 1/4" = 1'-0"

50005
88
88-006
and
88-005



FIRST FLOOR PLAN 5-B

SCALE 1/16" = 1'-0"

8B-002

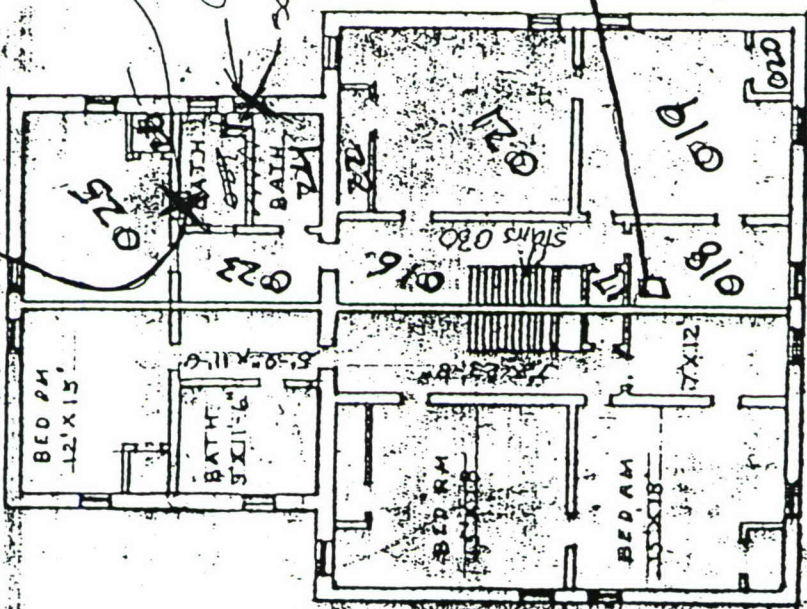
8B-001 #

sample

only 1 bath not 2

sample 8B-003

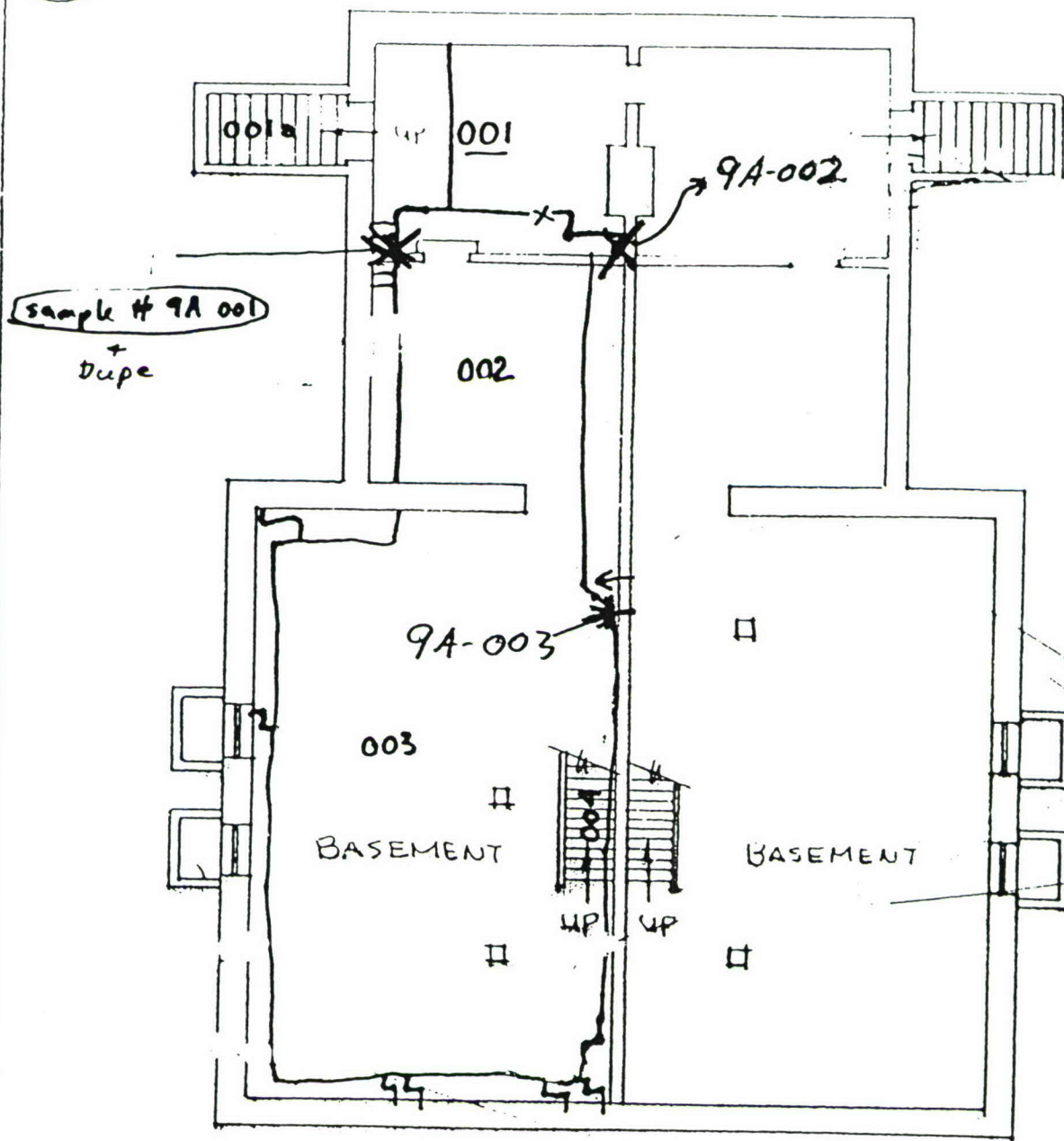
018a
attic access



"B"

SECOND FLOOR
SCALE 1/4" = 1'-0"

NA



"A" SIDE

BASEMENT

QUARTERS 9
3/32" x 1'-0"

Functional Spaces

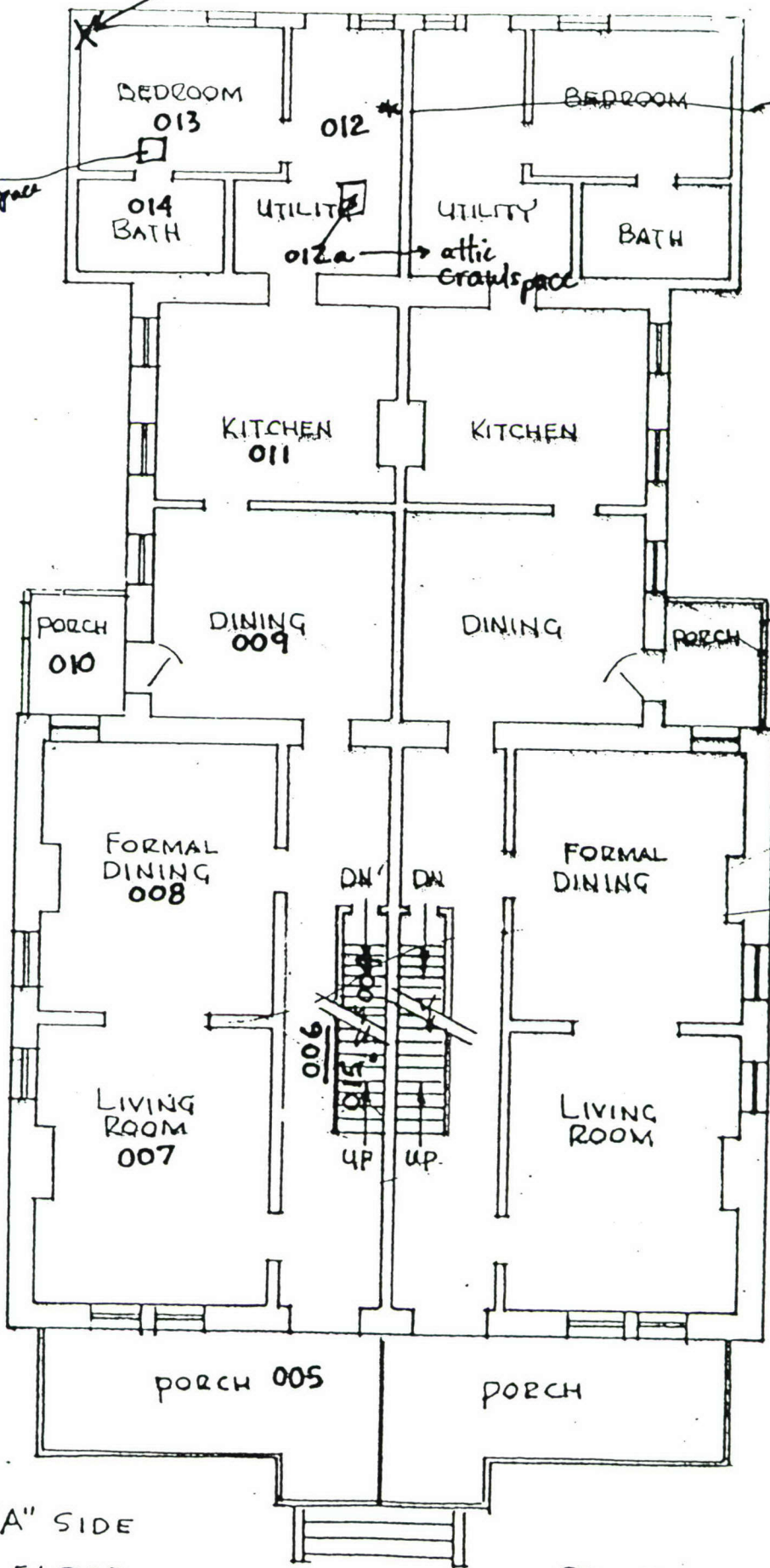


9A-005

Sample # 9A-004

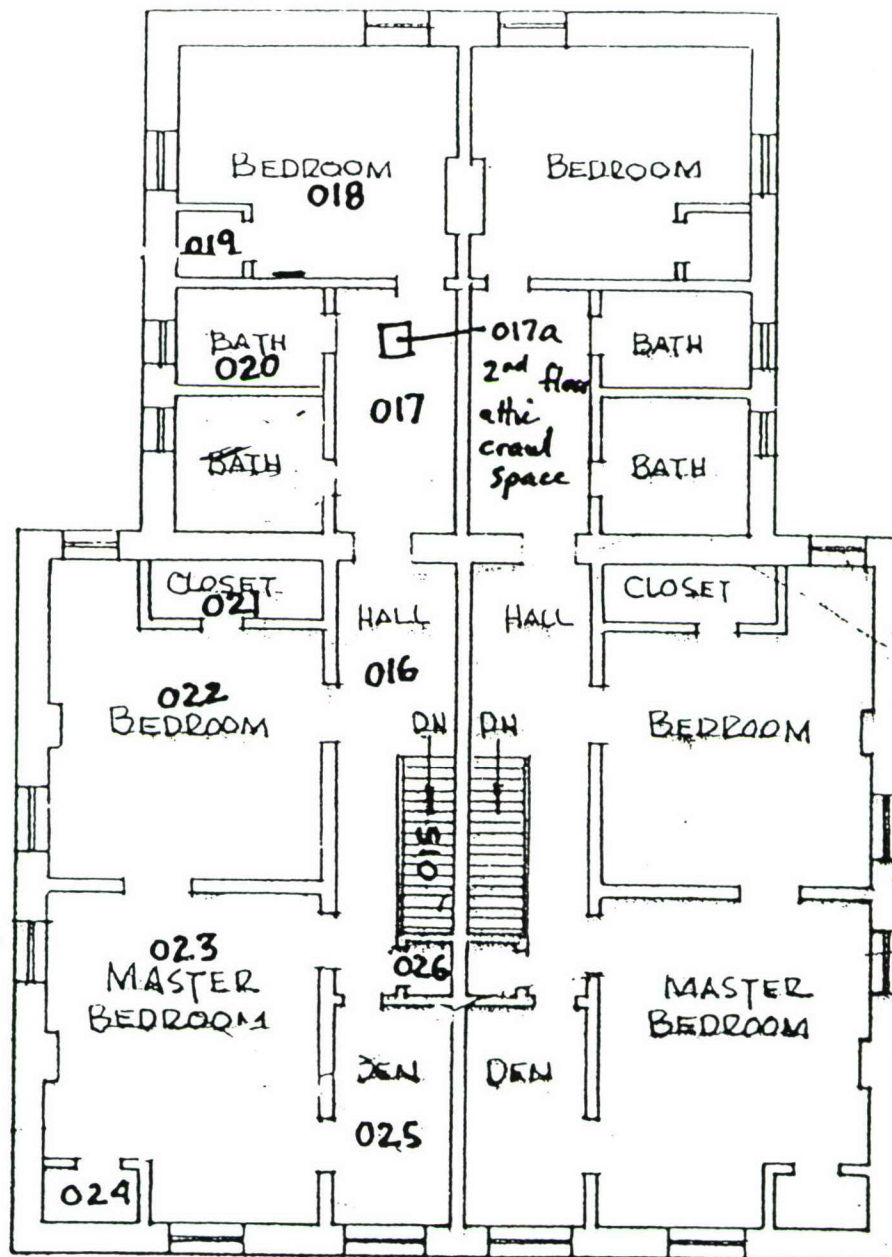
013a
bsmt crawl space

attic
crawl space



"A" SIDE
FIRST FLOOR

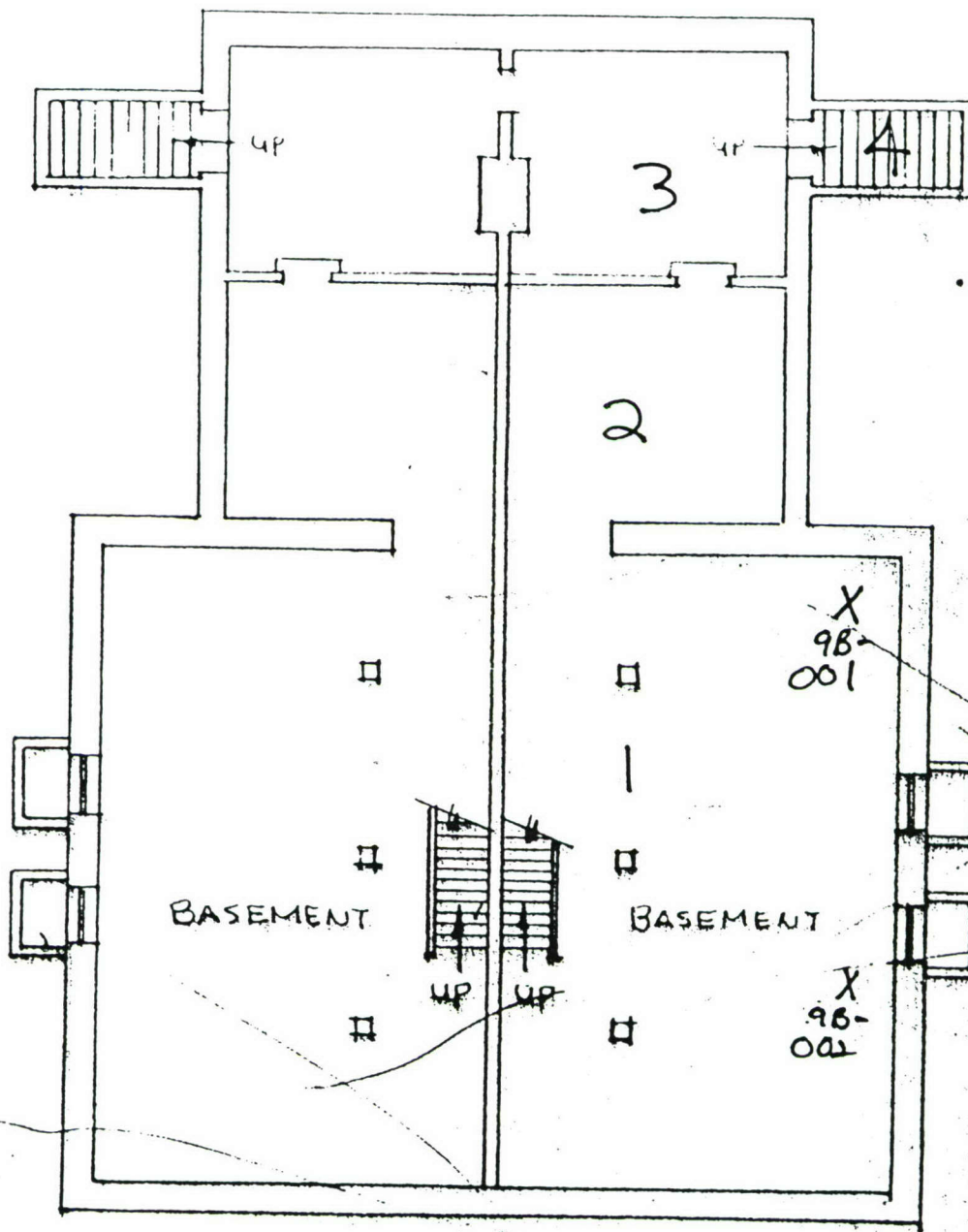
QUARTERS - 9
3/32" = 1'-0"



"A" SIDE

SECOND FLOOR

QUARTERS 9
3/32" = 1'-0"

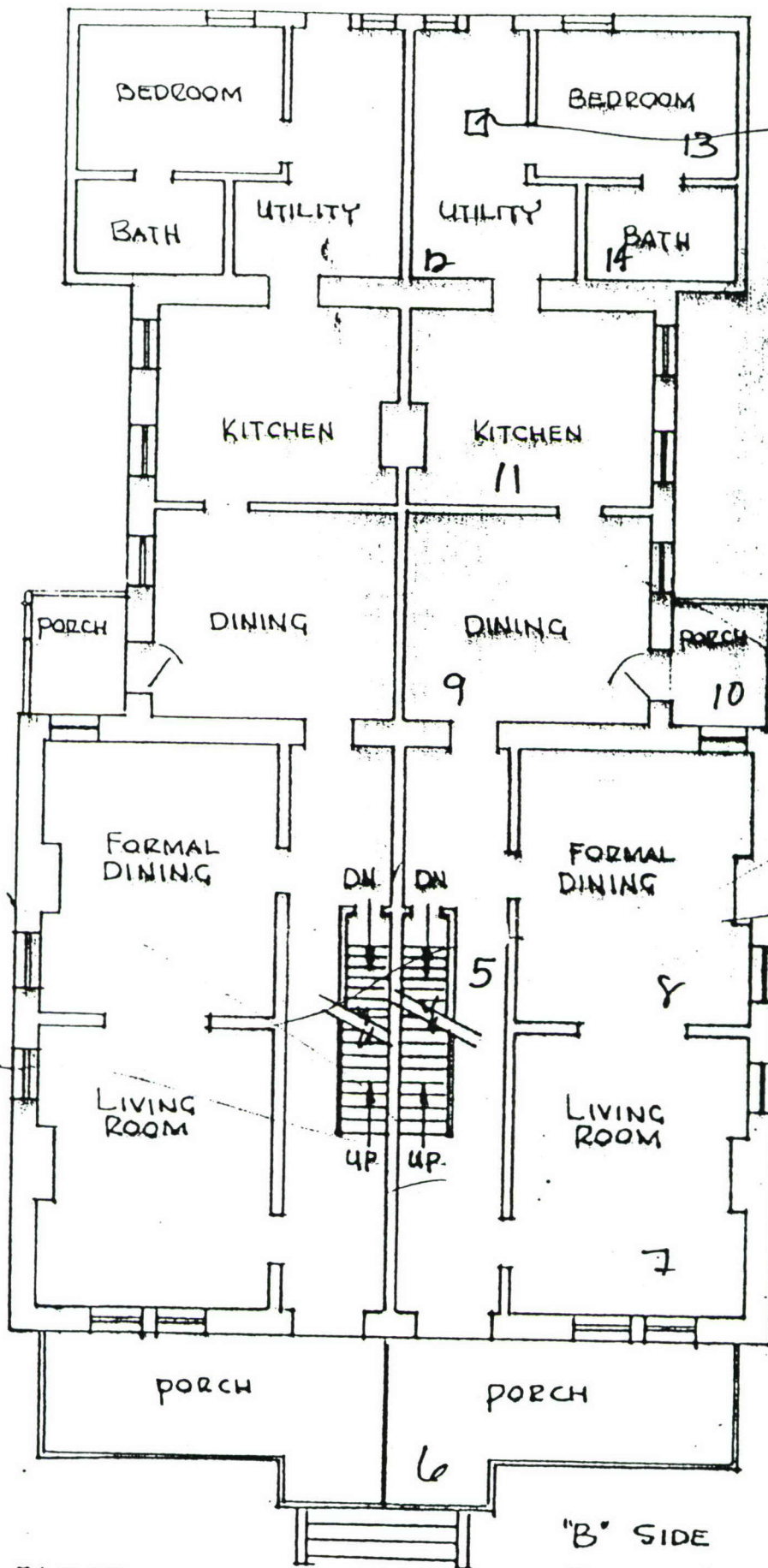


"B" SIDE

BASEMENT

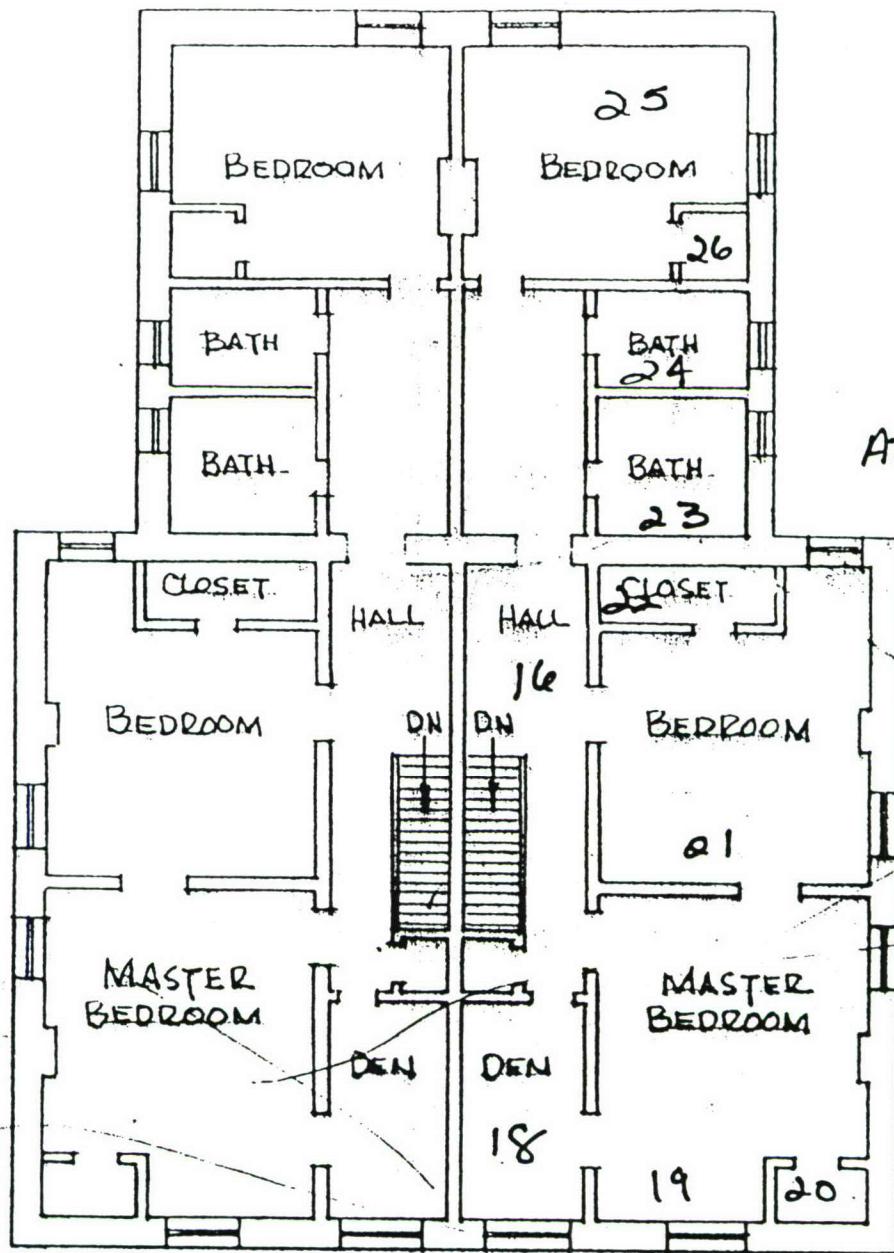
QUARTERS 9
3/32" x 1'-0"

9B



FIRST FLOOR

"B" SIDE
 QUARTERS - 9
 $3/32" = 1' 0"$

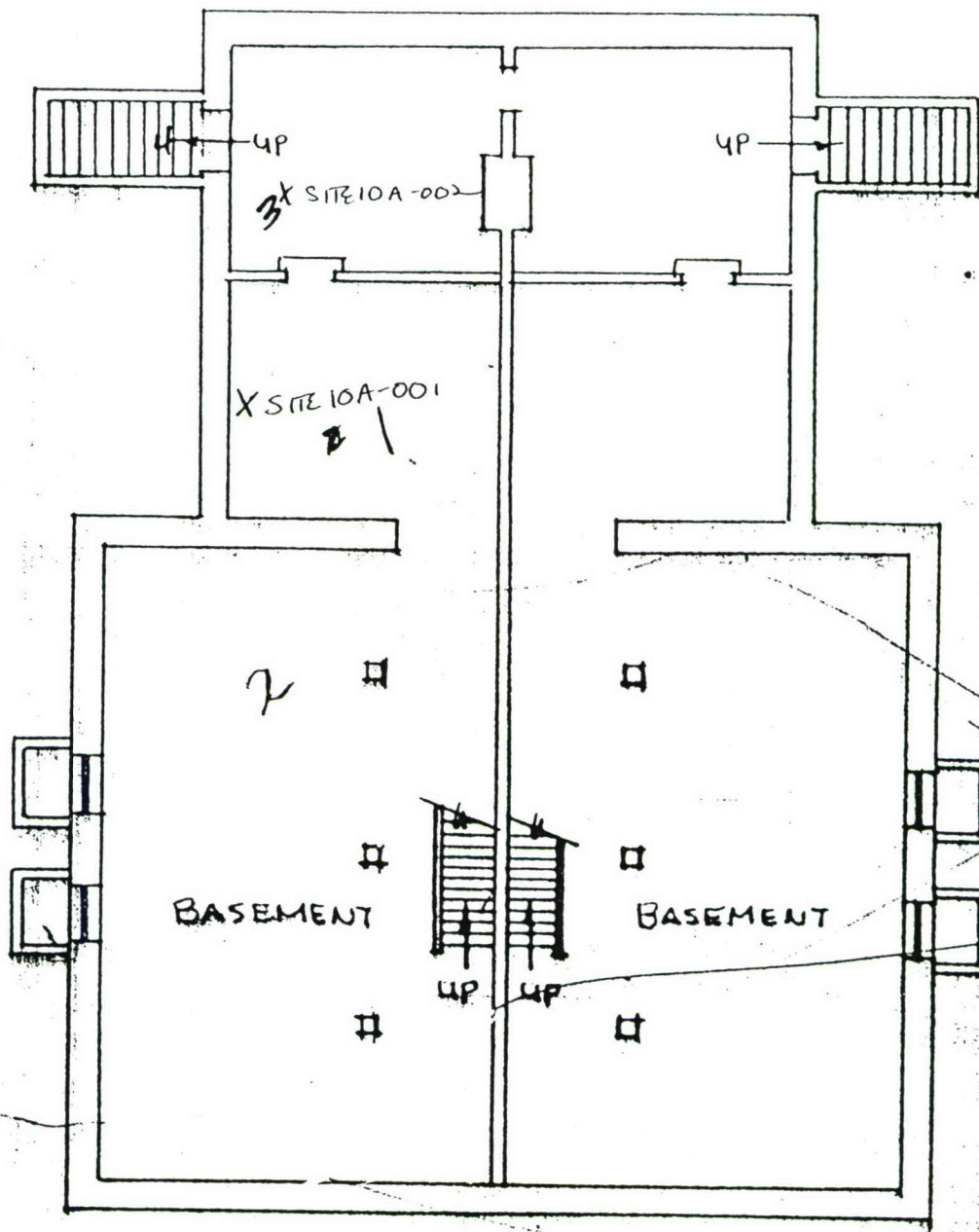


ATTIC =
100a

"B" SIDE

SECOND FLOOR

QUARTERS 3/32" = 1'-0"

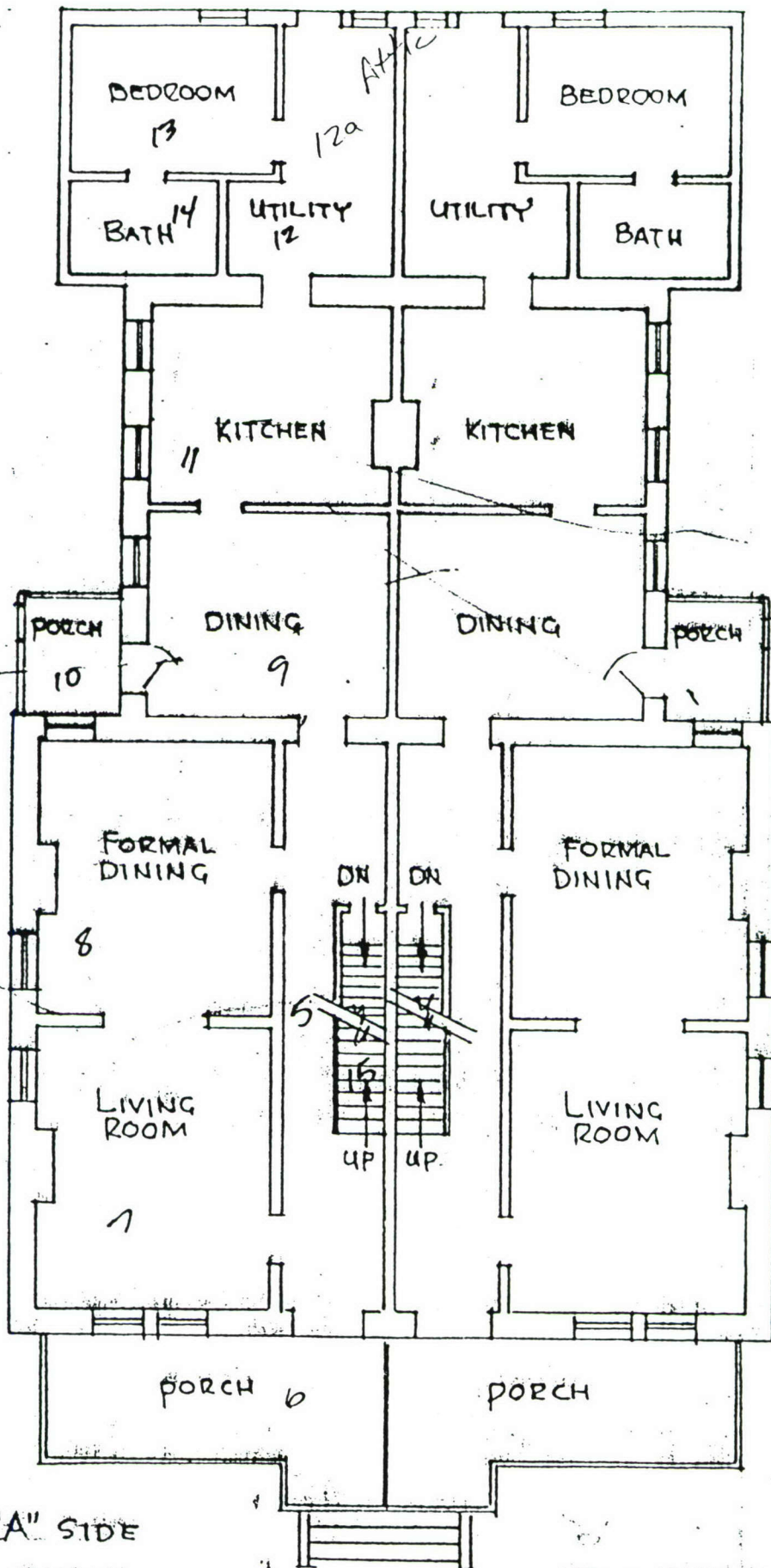


"A" SIDE

BASEMENT

QUARTERS 10
3/32" x 1'-0"

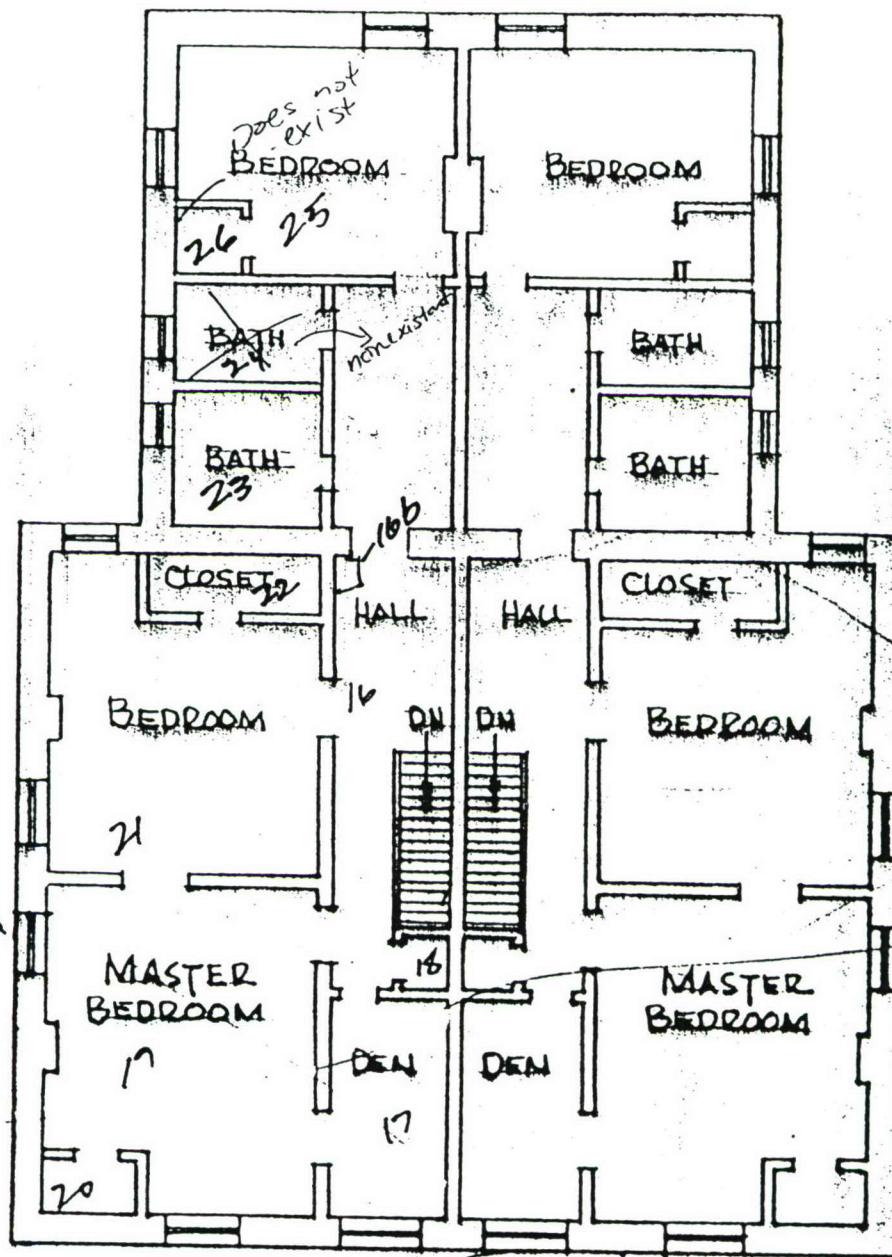
10A



"A" SIDE
FIRST FLOOR

QUARTERS - 10
3/32" = 1' 0"

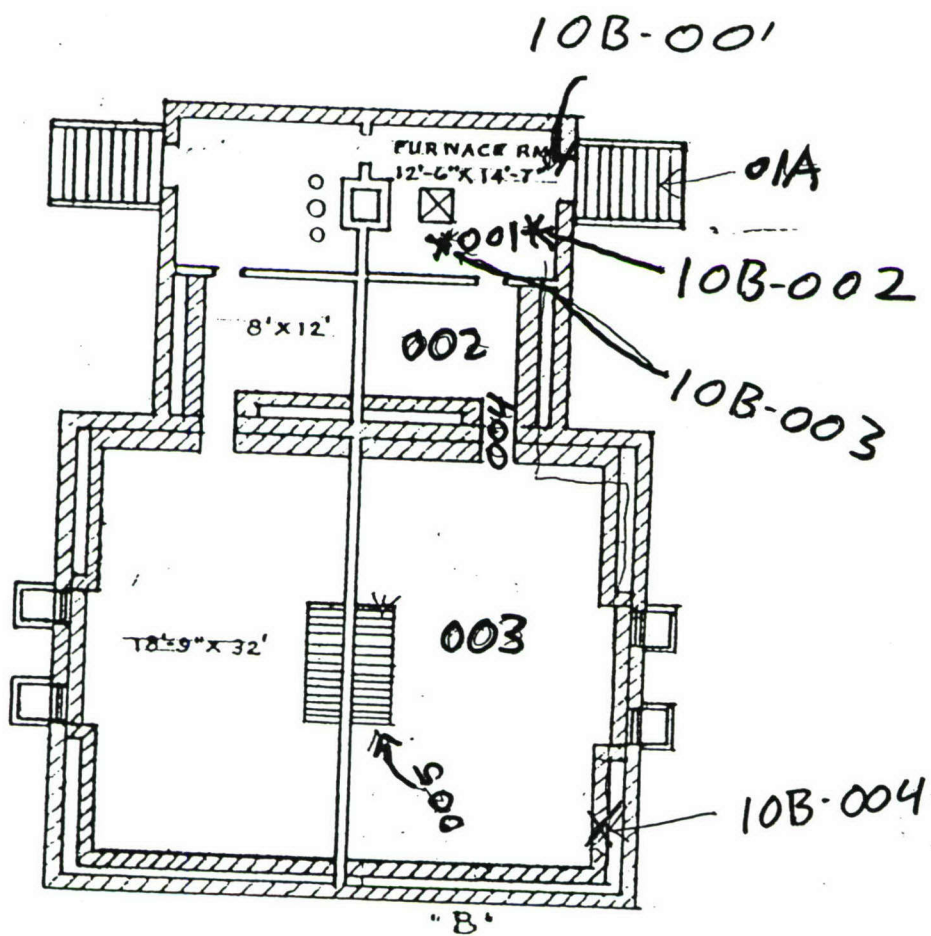
ATTN=100



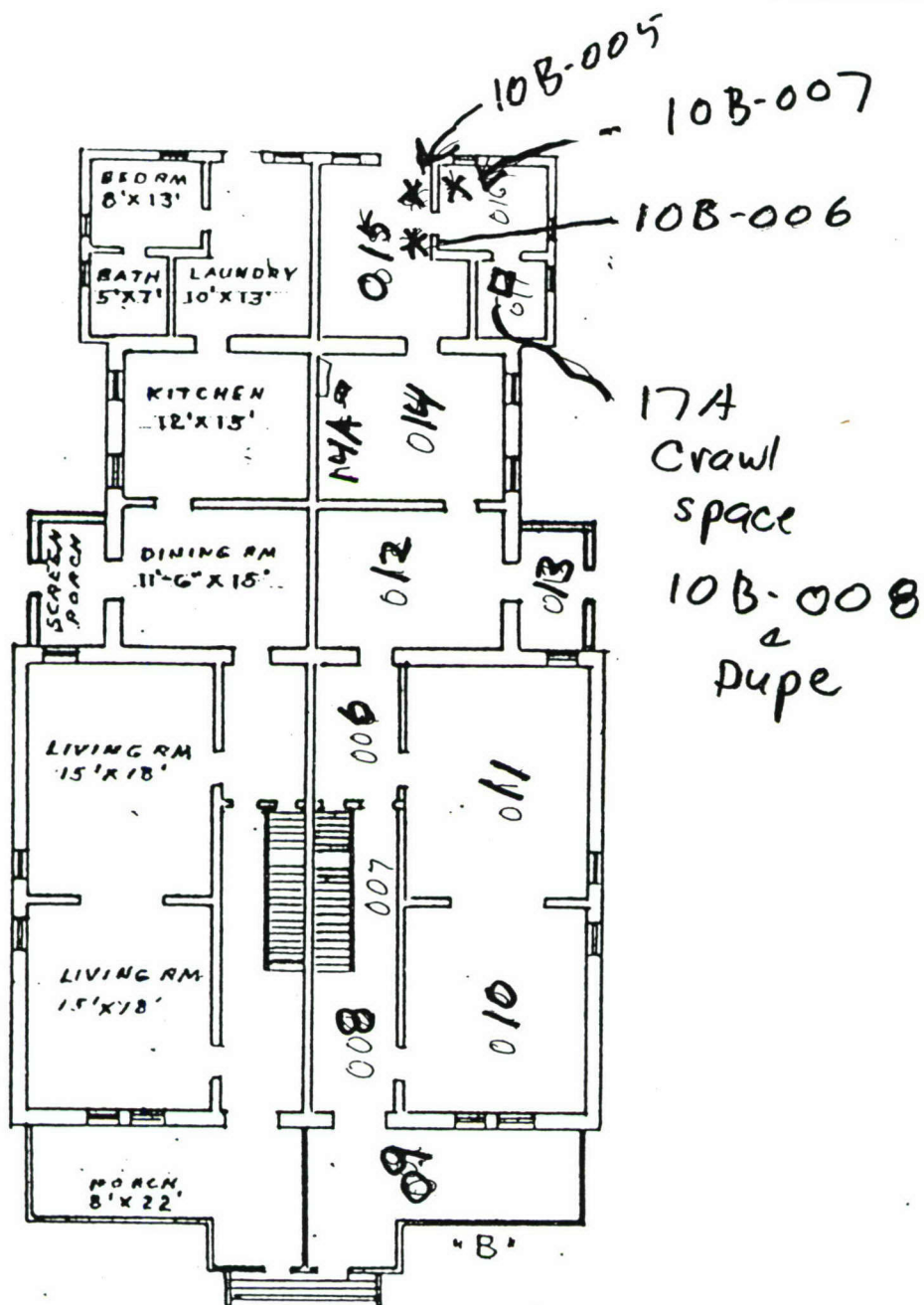
- "A" SIDE

SECOND FLOOR

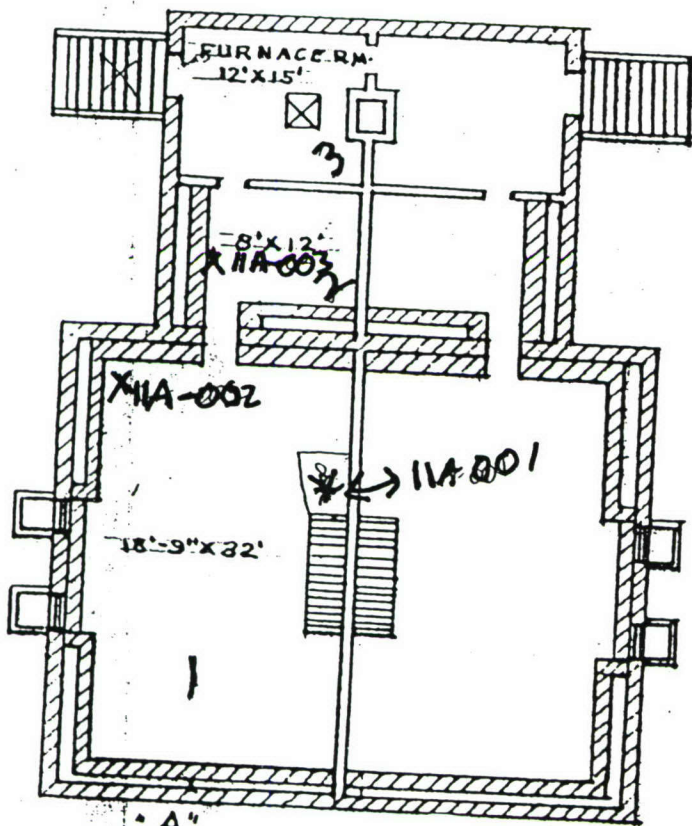
QUARTERS 10
3/32" = 1'-0"



BASEMENT QTRS. 10 B
SCALE 1/16" = 1'-0"

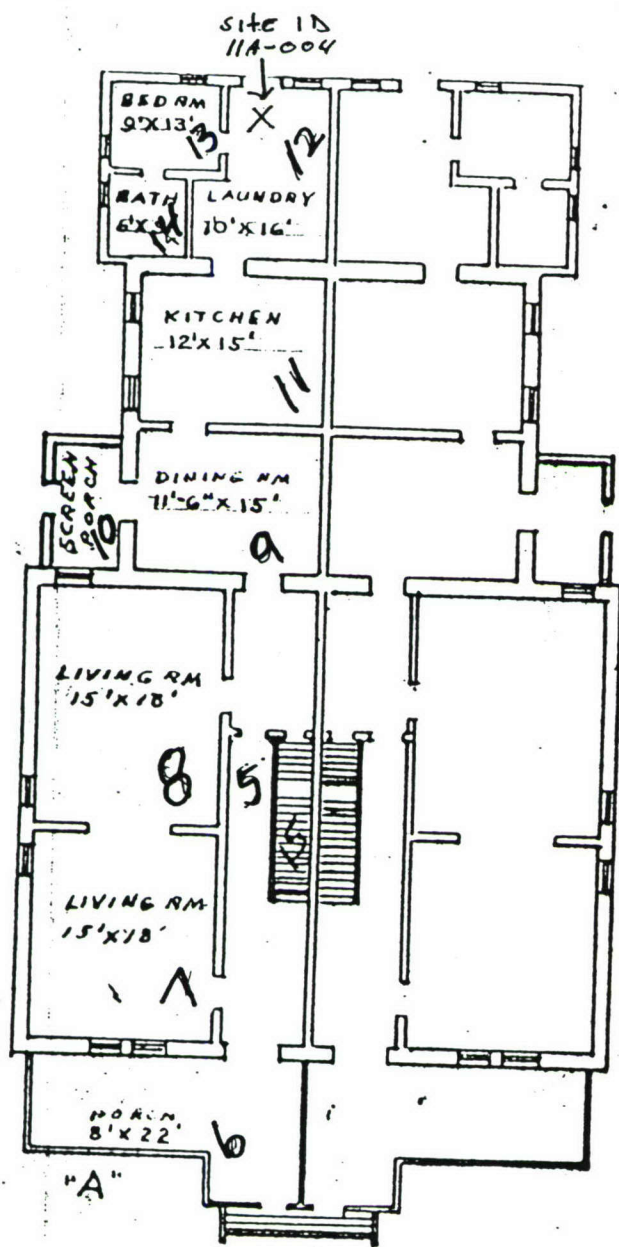


FIRST FLOOR QTRS. 10 B
SCALE 1/16" = 1'-0"

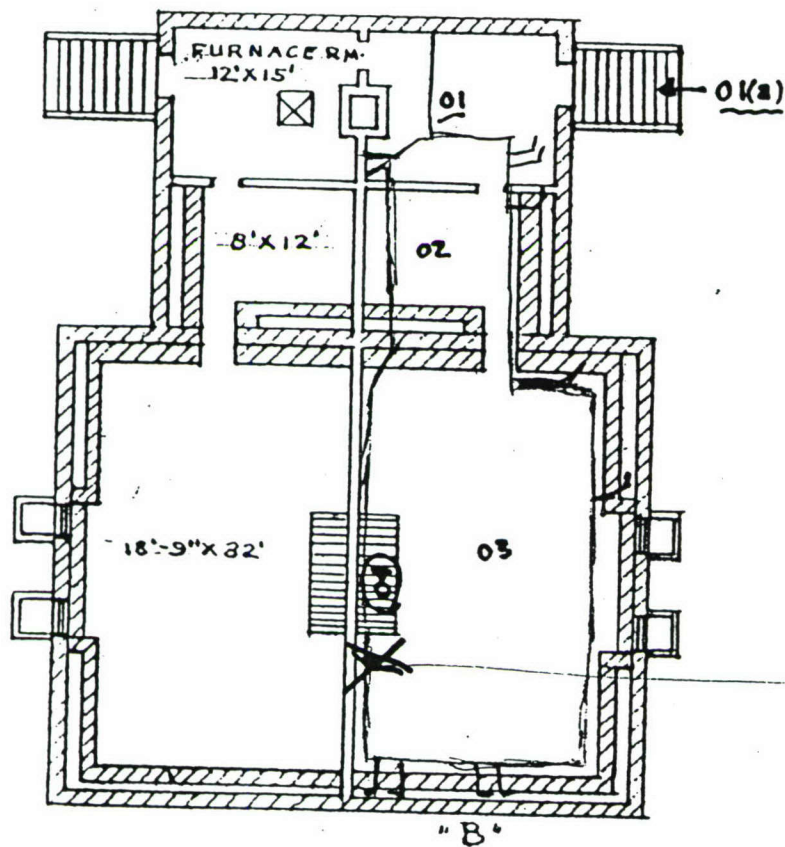


BASEMENT QTRS. 11A
SCALE 1/16" = 1'-0"

11A



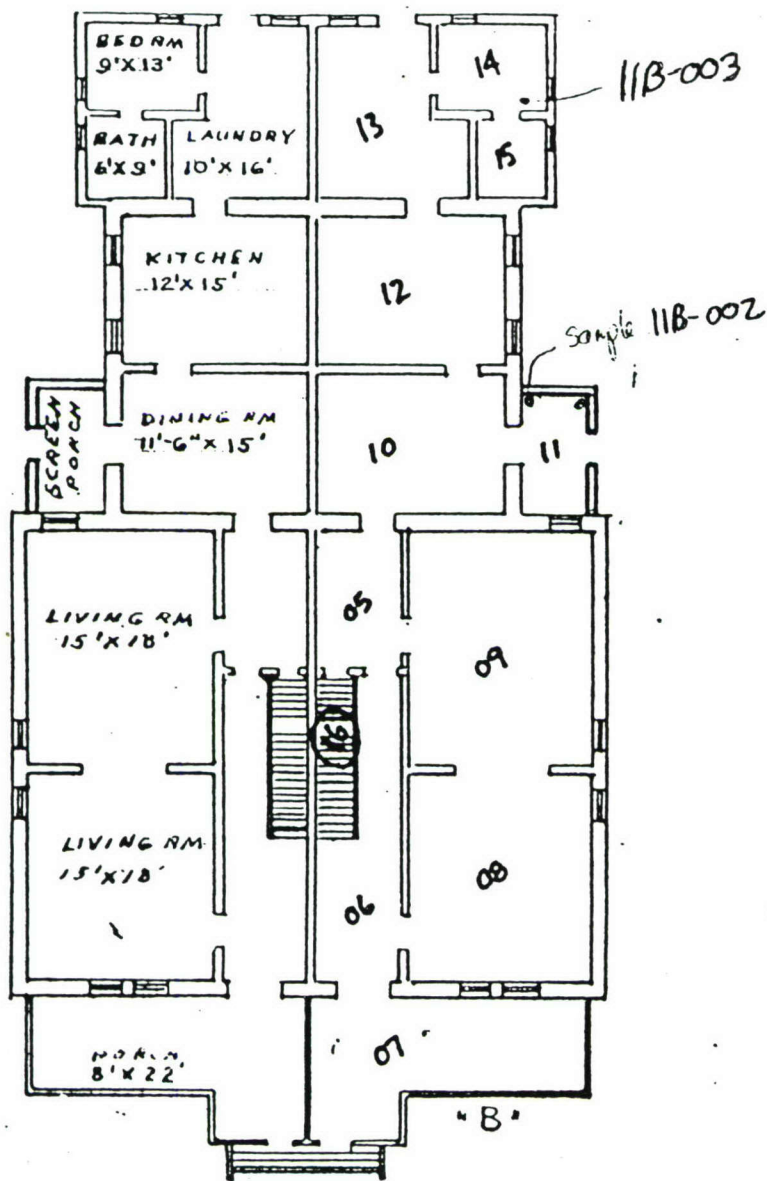
FIRST FLOOR QTRS. 11A
SCALE 1/16" = 1'-0"



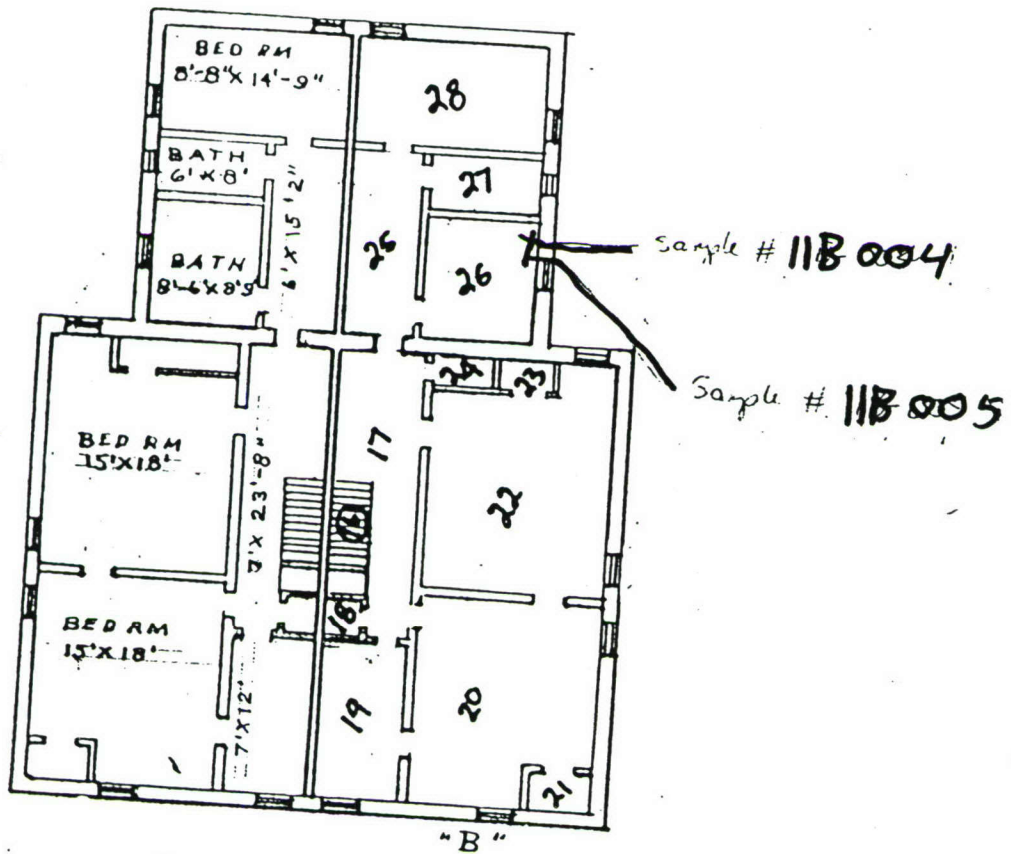
Sample 11B-001

BASEMENT QTRS. II B
SCALE 1/16" = 1'-0"

11B

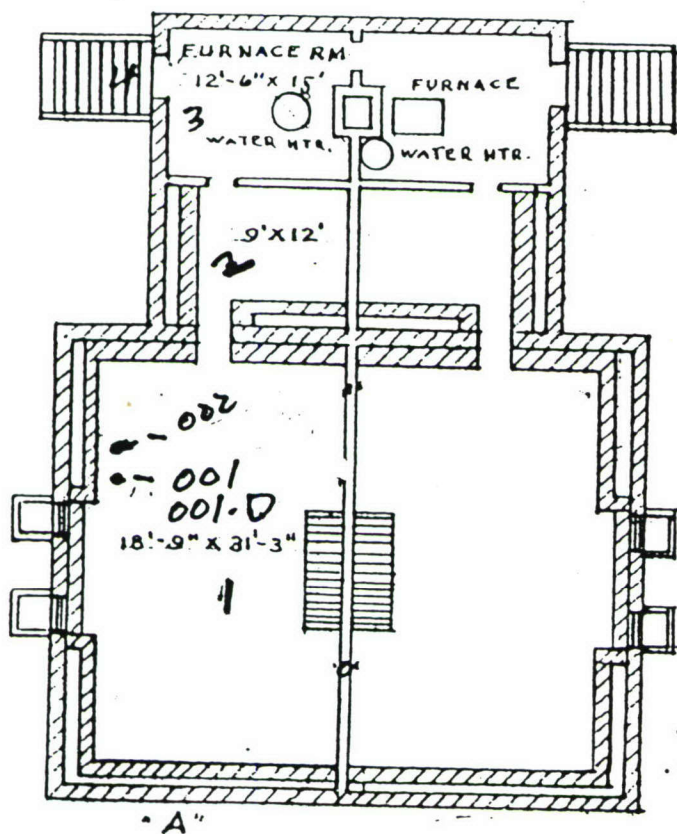


FIRST FLOOR QTRS. 11-B
SCALE 1/16" = 1'-0"

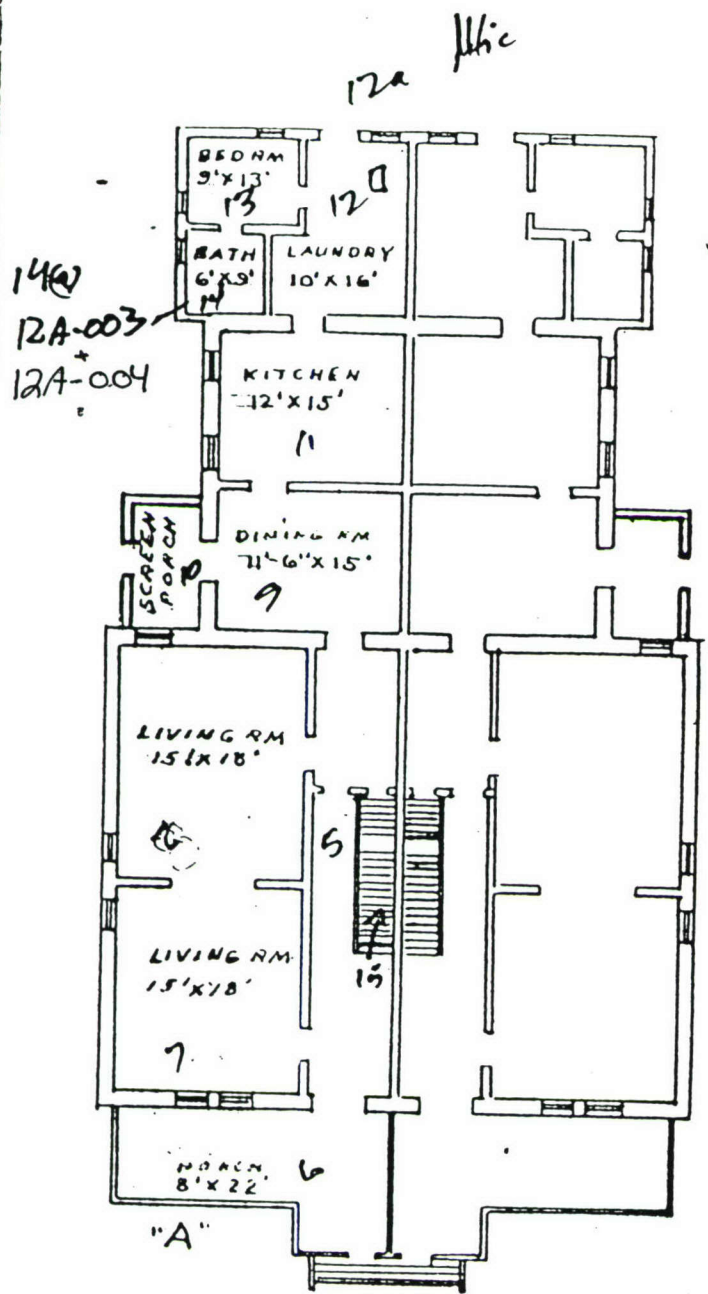


SECOND FLOOR QTRS 11A-B
SCALE 1/16" = 1'-0"

Sample location Map

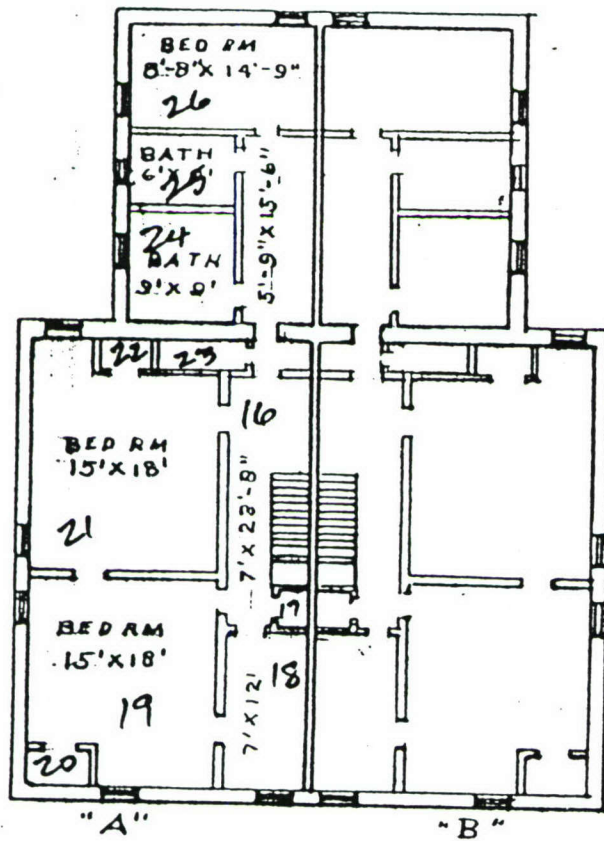


BASEMENT QTRS. 12A
SCALE 1/16" = 1'-0"

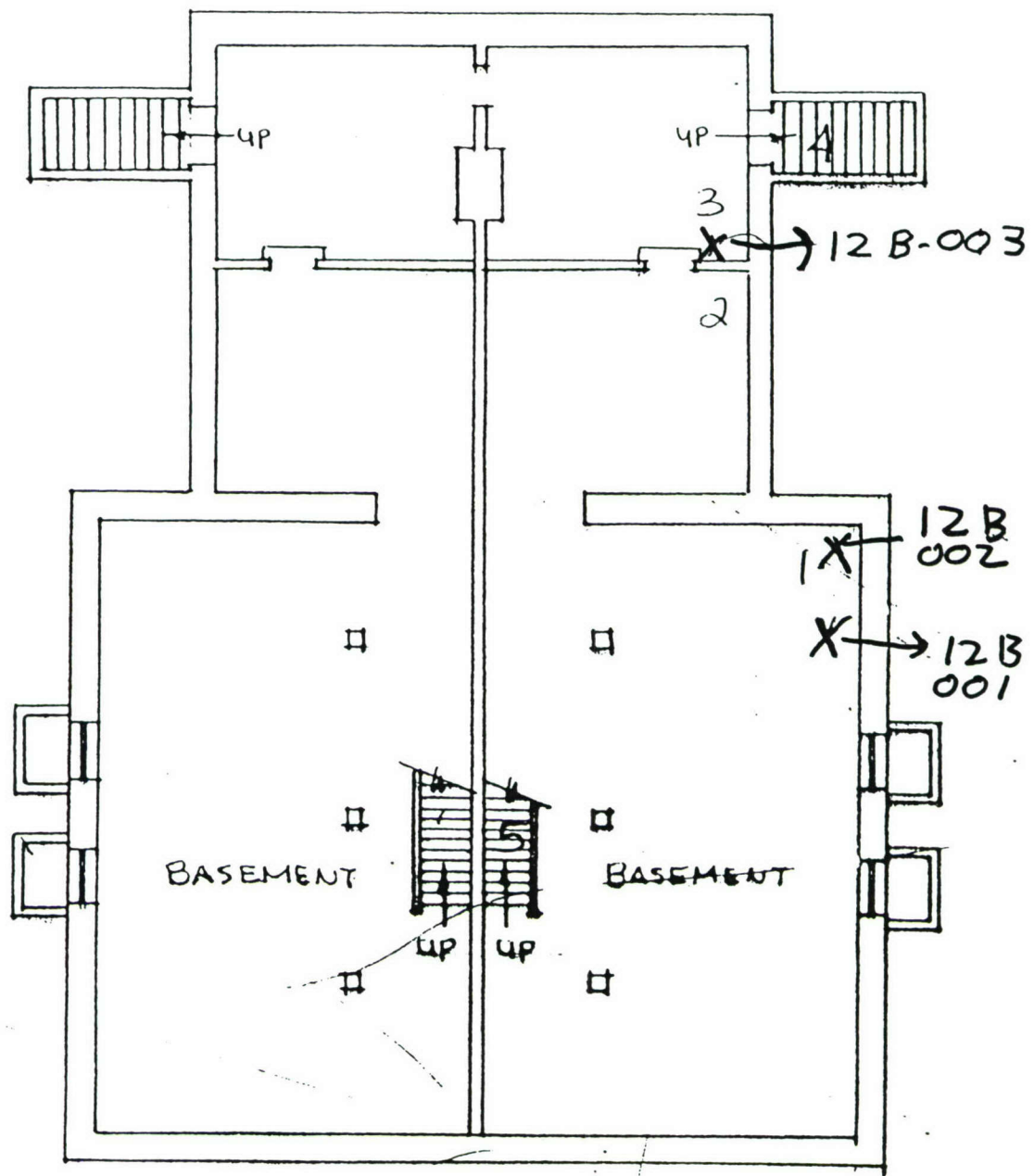


FIRST FLOOR QTRS 12-A
SCALE 1/16" = 1'-0"

16a Attic



SECOND FLOOR QTRS. 12A
SCALE 1/16" = 1'-0"

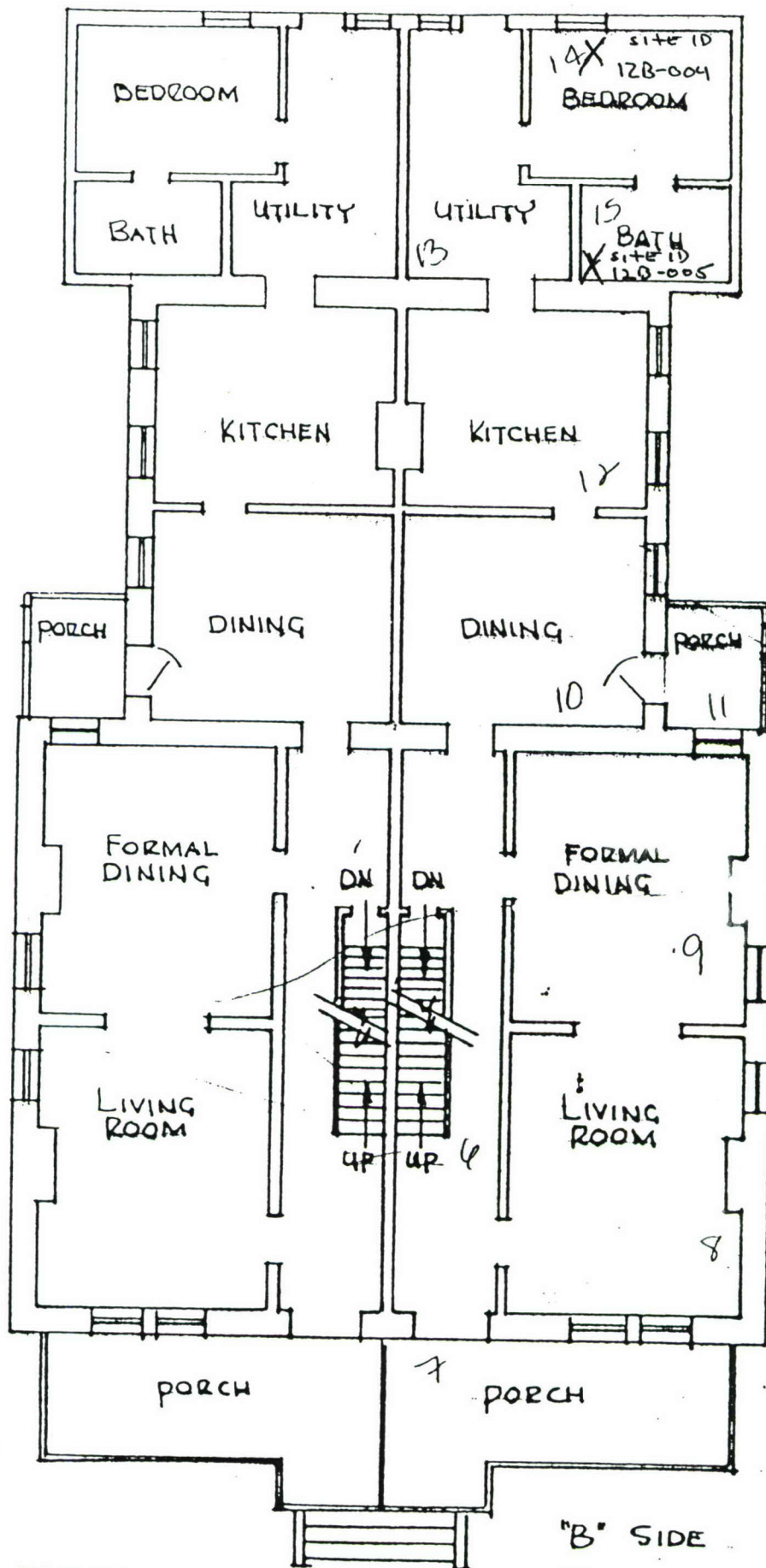


"B" SIDE

BASEMENT

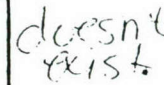
QUARTERS 12
3/32" = 1'-0"

12 B



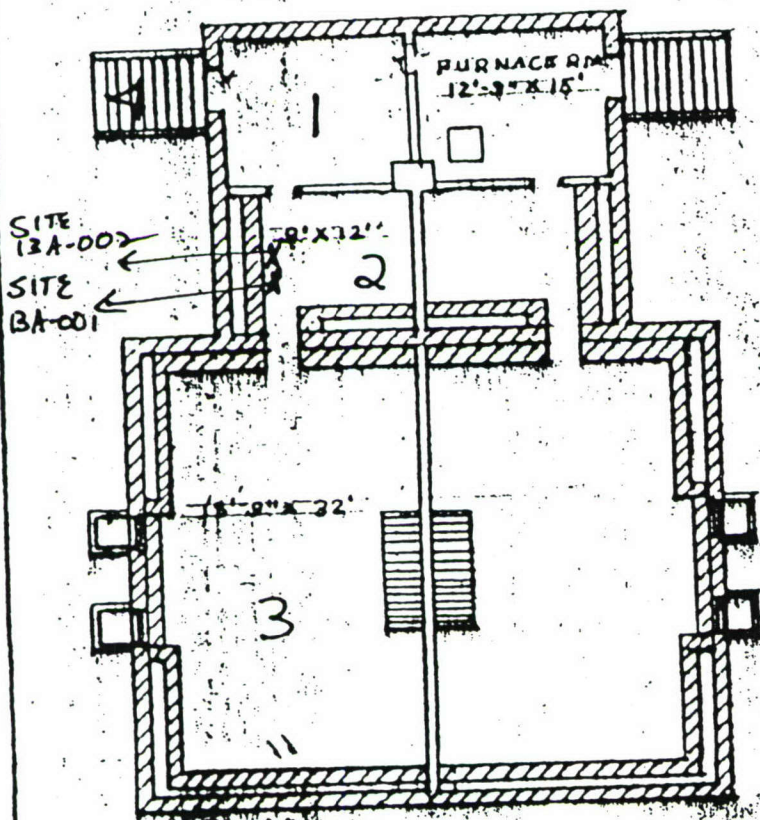
FIRST FLOOR

"B" SIDE
QUARTERS - 12
3/32" = 1'-0"



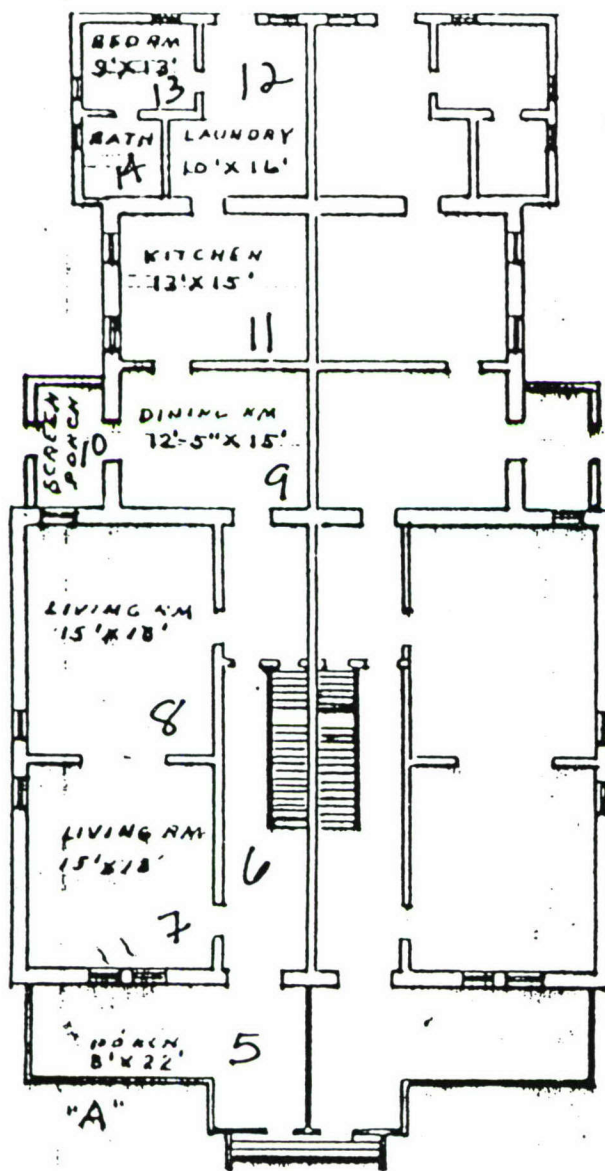
'B' Side

QUARTERS 12
3/32" = 1'-0"

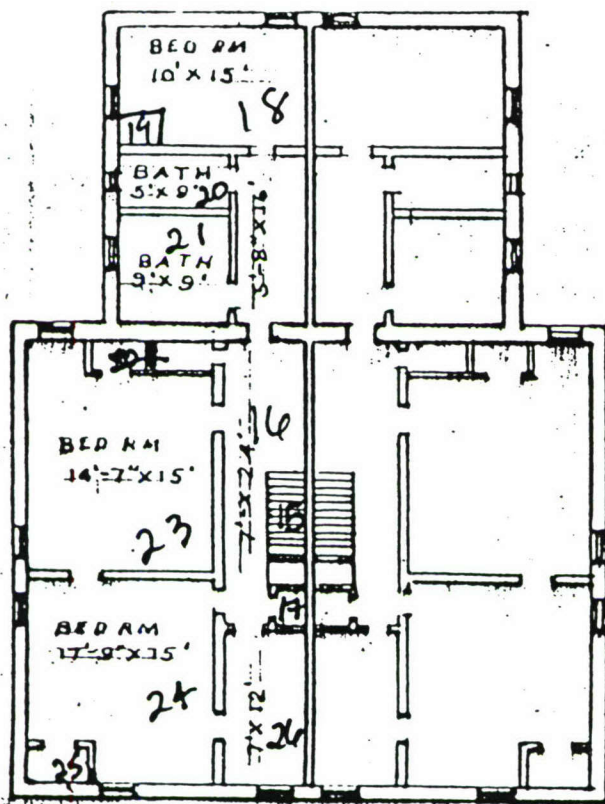


BASEMENT QTR 13A
SCALE 1/16" = 1'-0"

13A

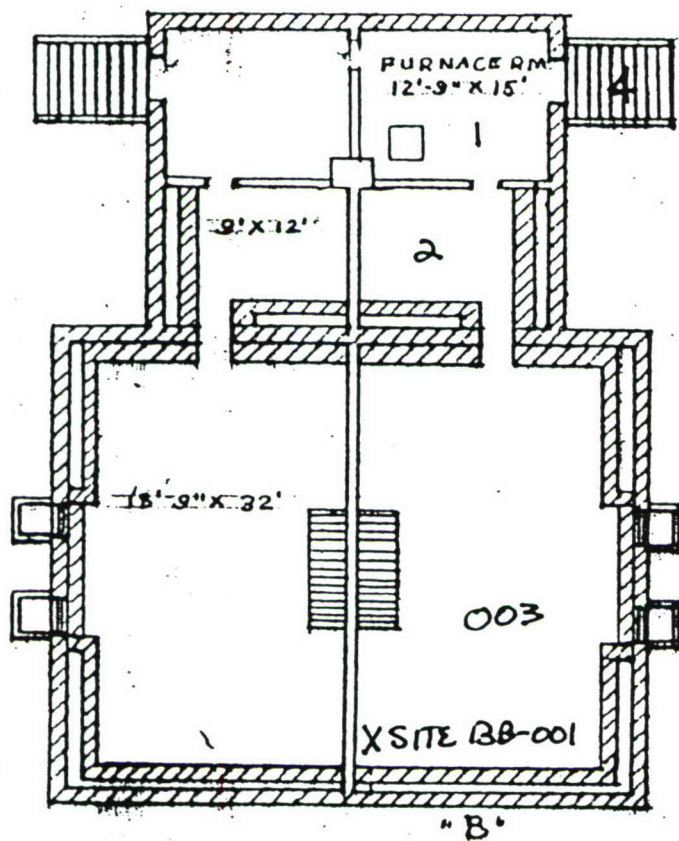


FIRST FLOOR QTRS 13A
 SCALE 1/16" = 1'-0"



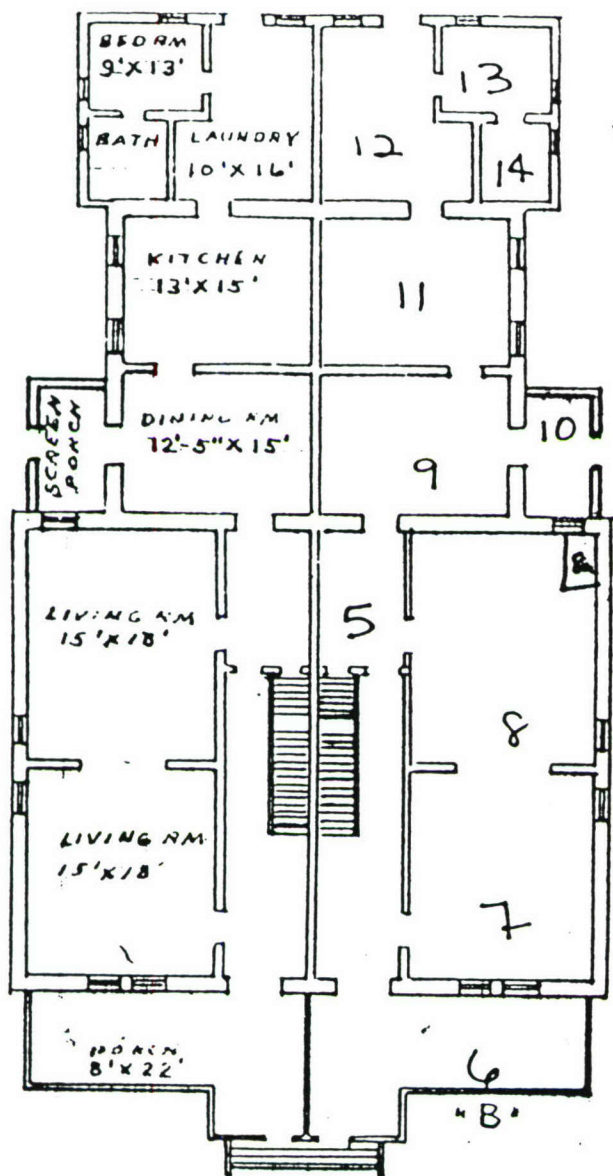
ATTIC=16a

SECOND FLOOR QTRS. 13A
SCALE 1/16" = 1'-0"

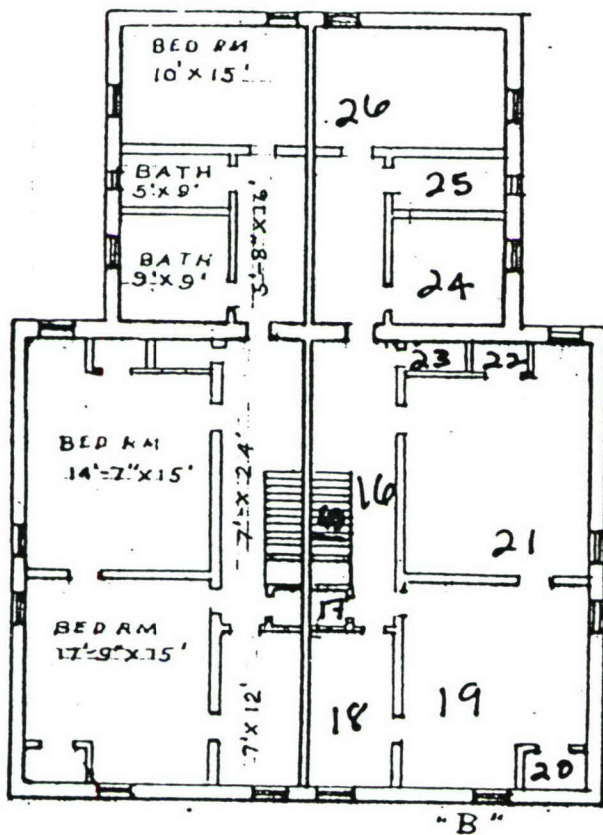


BASEMENT QTRS 13 B
SCALE 1/16" = 1'-0"

13 B

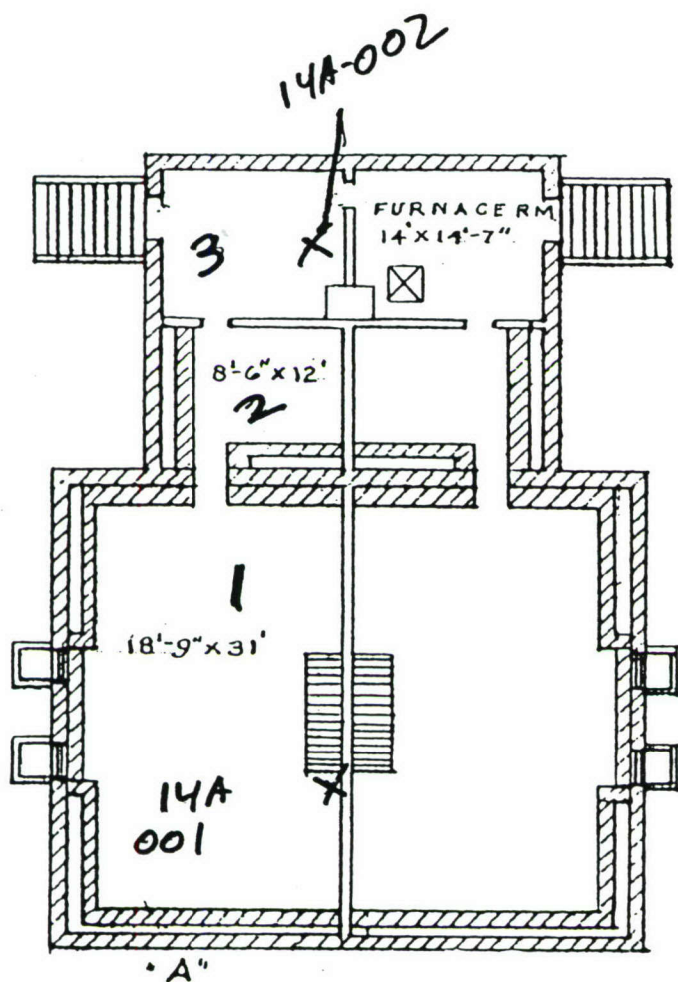


FIRST FLOOR QTRS 13 B
 SCALE 1/16" = 1'-0"

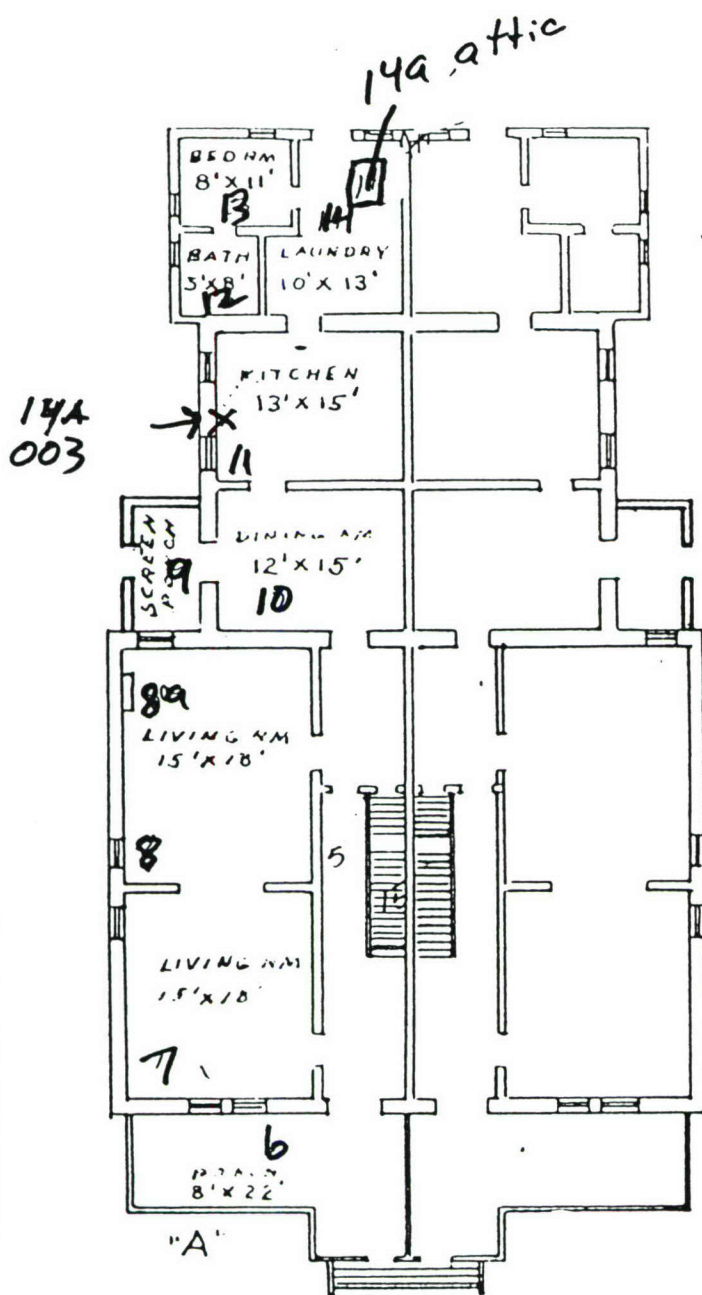


ATTIC = 16a

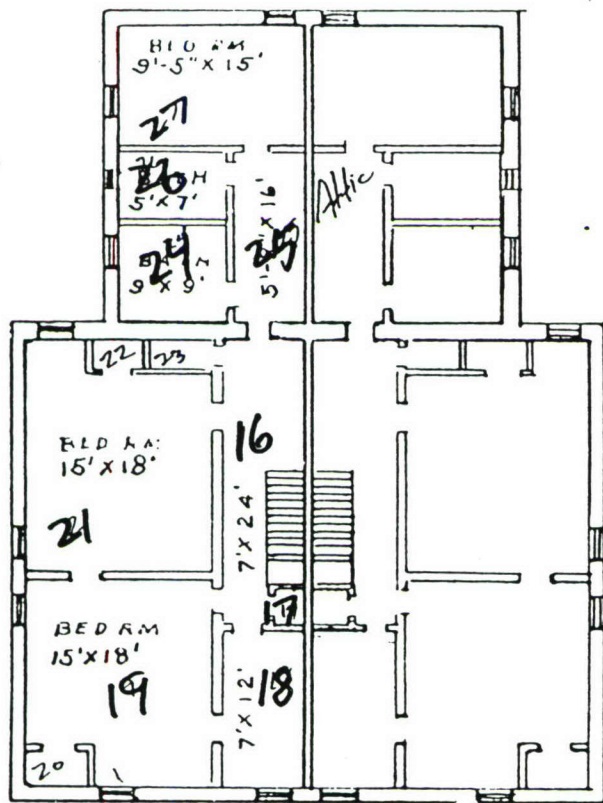
SECOND FLOOR QTRS. 13 B
SCALE 1/16" = 1'-0"



BASEMENT QTRS 14A
SCALE 1/16" = 1'-0"

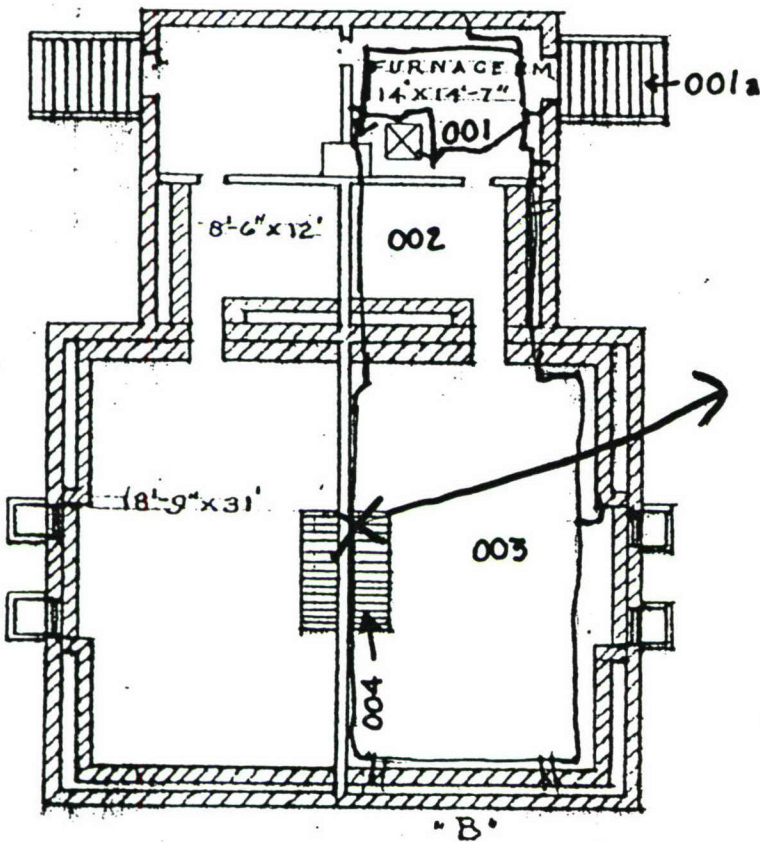


FIRST FLOOR QTRS. 14A
SCALE 1/16" = 1'-0"



"A"

SECOND FLOOR QTRS 14A
SCALE 1/16" = 1'-0"

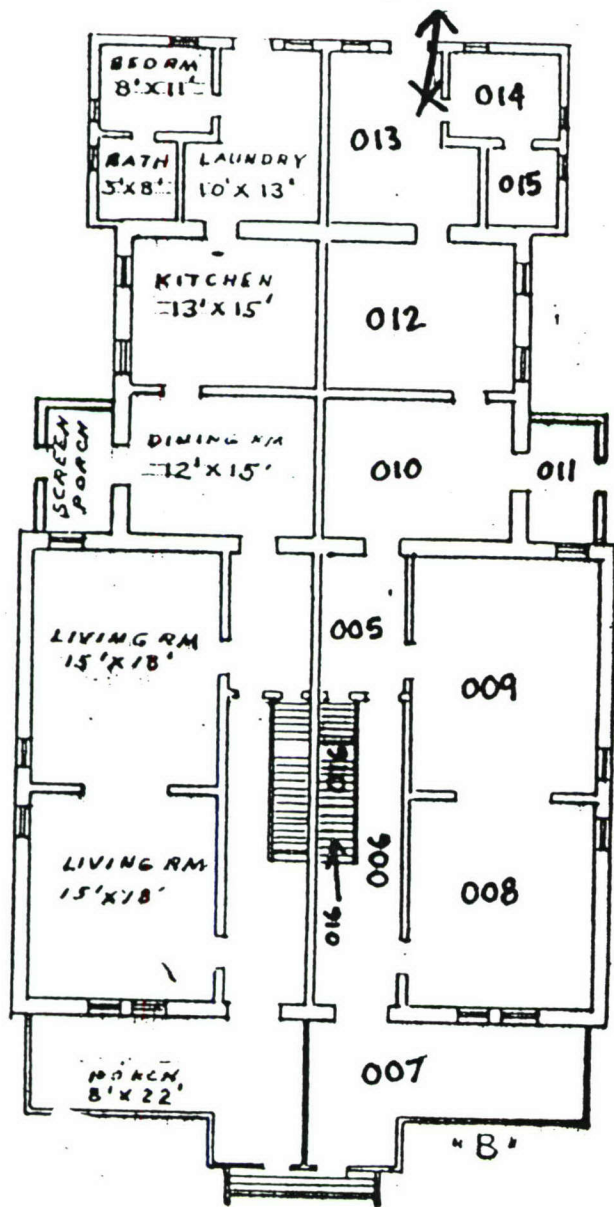


14B-001
+
Dupe

BASEMENT QTR 5 14-B
SCALE 1/16" = 1'-0"

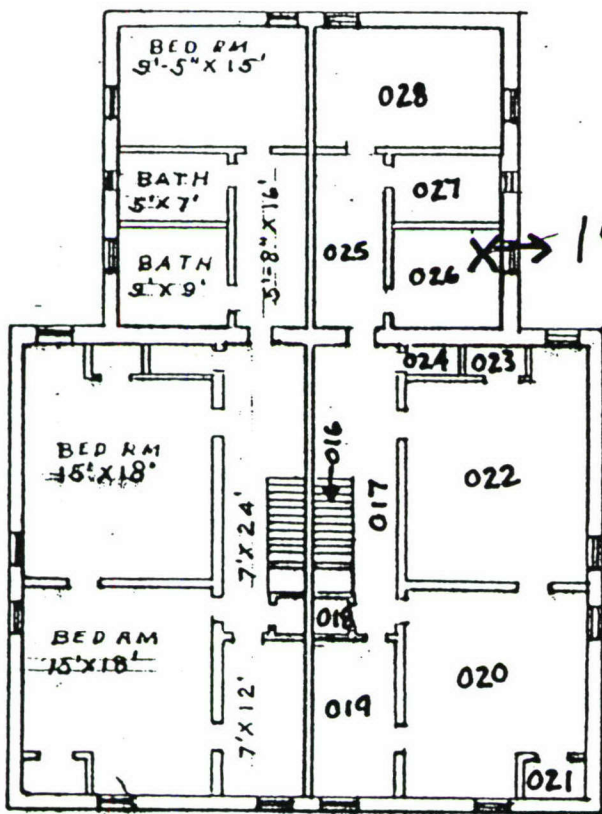
↓N

14B-002



FIRST FLOOR QTRS. 14 B
SCALE 1/16" = 1'-0"

N

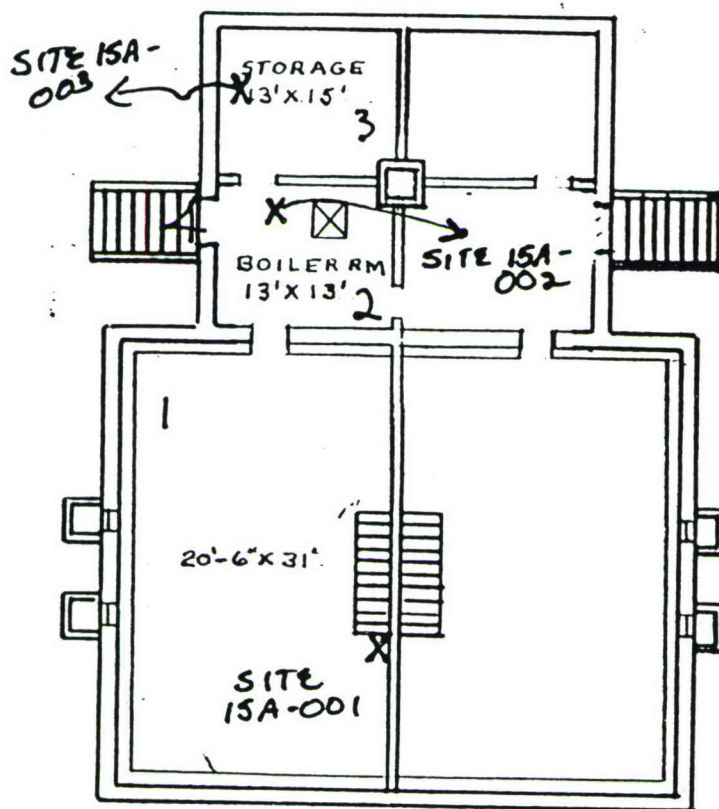


14B-003

SECOND FLOOR QTRS 14
SCALE 1/16" = 1'-0"

B

14

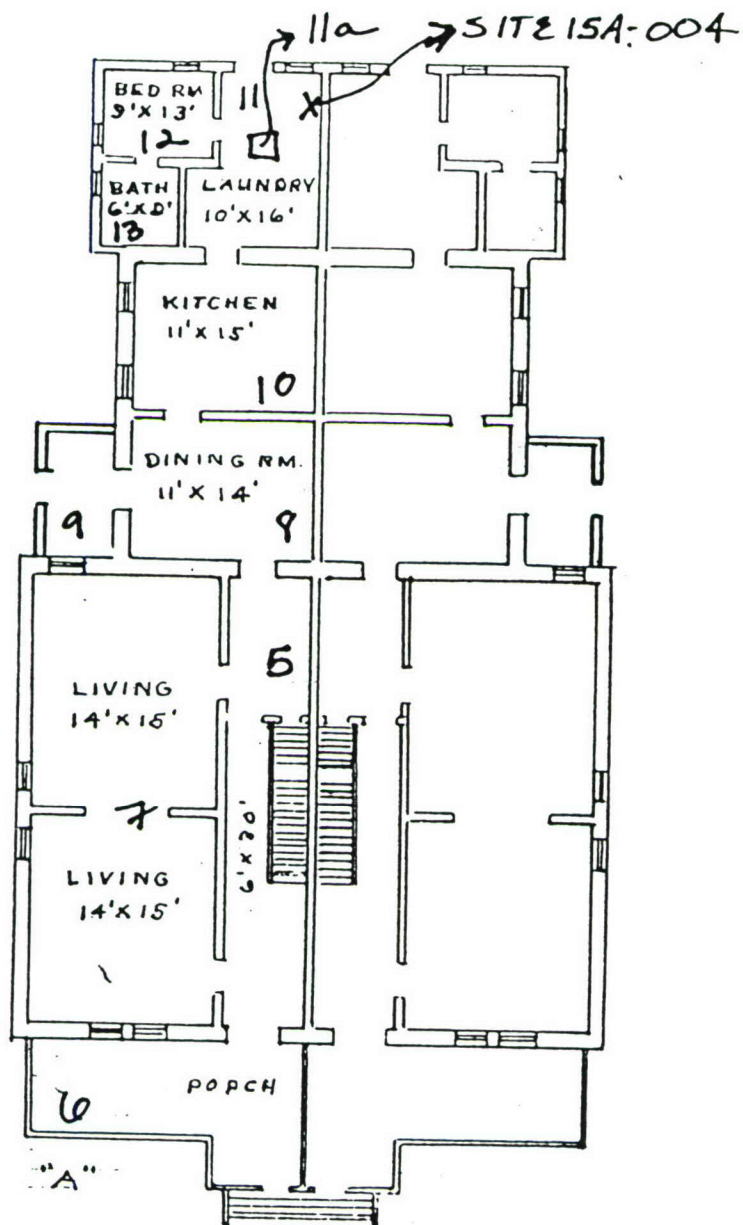


"A"

BASEMENT QTRS 15A-B

SCALE 1/16" = 1'-0"

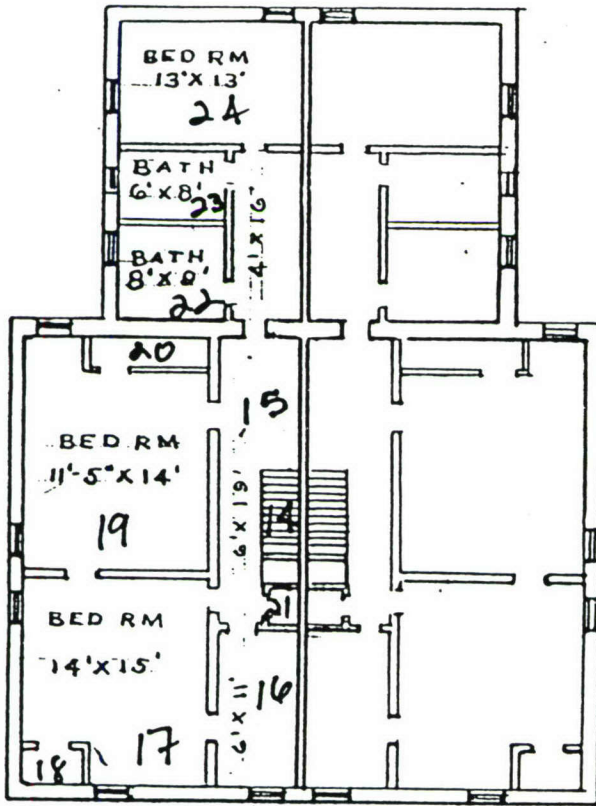
15A



FIRST FLOOR QTR 15A

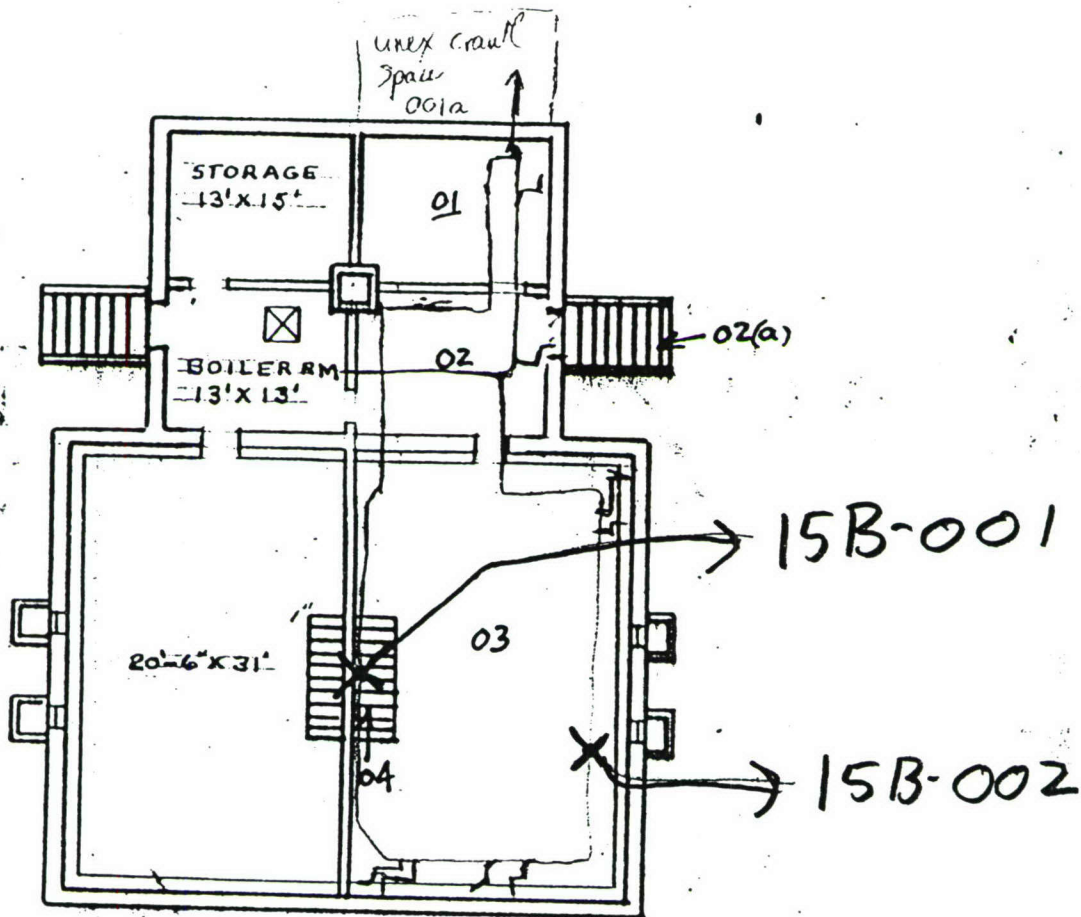
SCALE 1/16" = 1'-0"

ATTIC = 15a



SECOND FLOOR QTRS 15A

SCALE 1/16" = 1'-0"

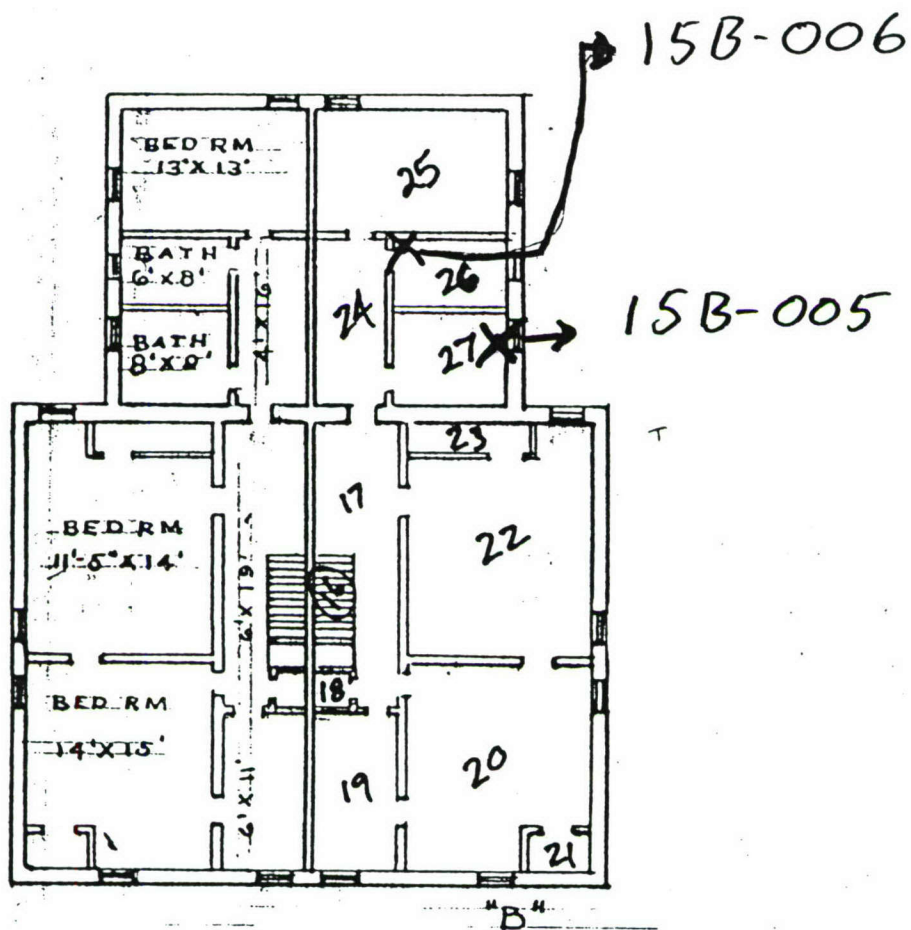


"B"
BASEMENT QTRS 15 B

SCALE 1/16" = 1'-0"



SCALE $1/16" = 1'-0"$

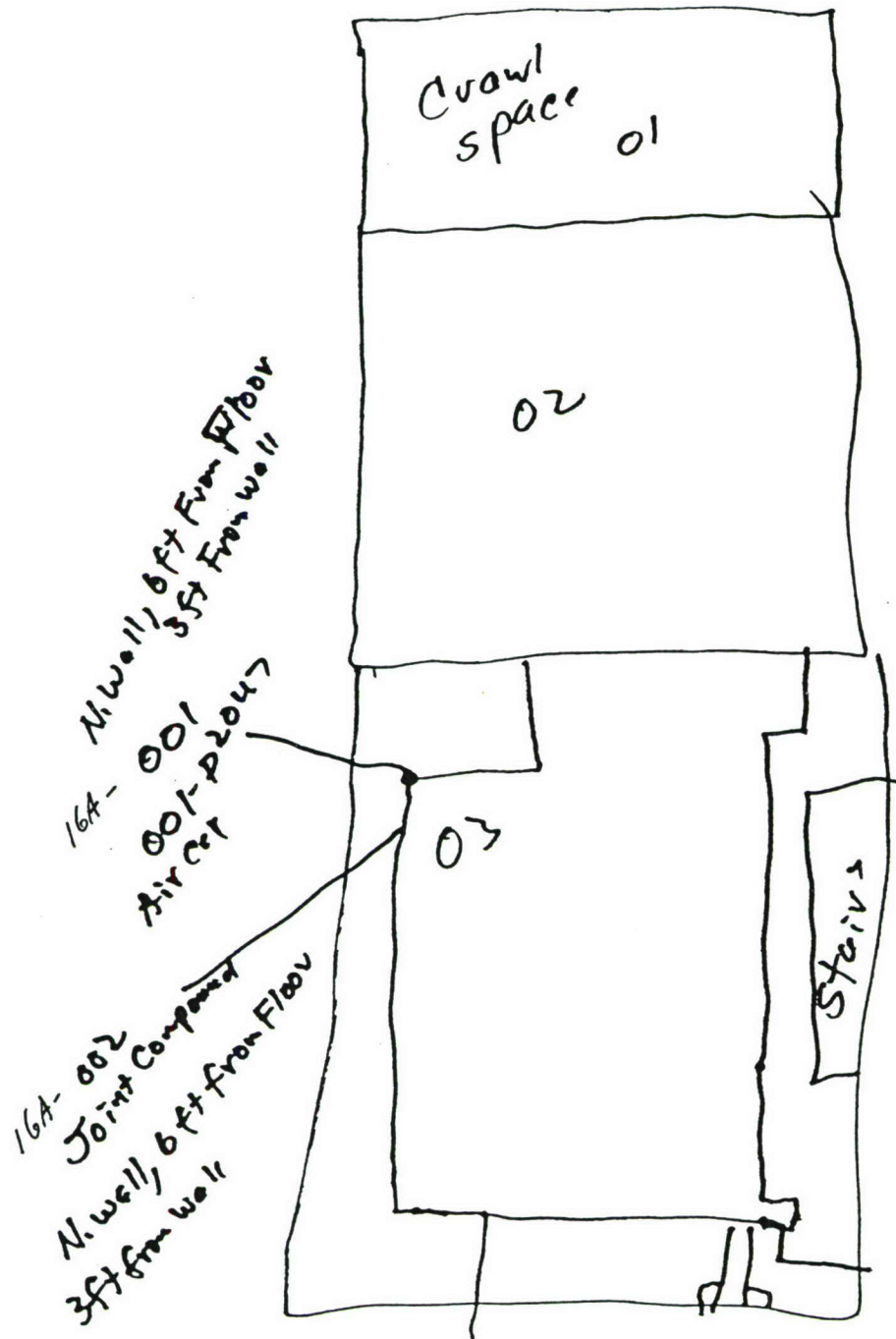


SECOND FLOOR QTRS 15 B

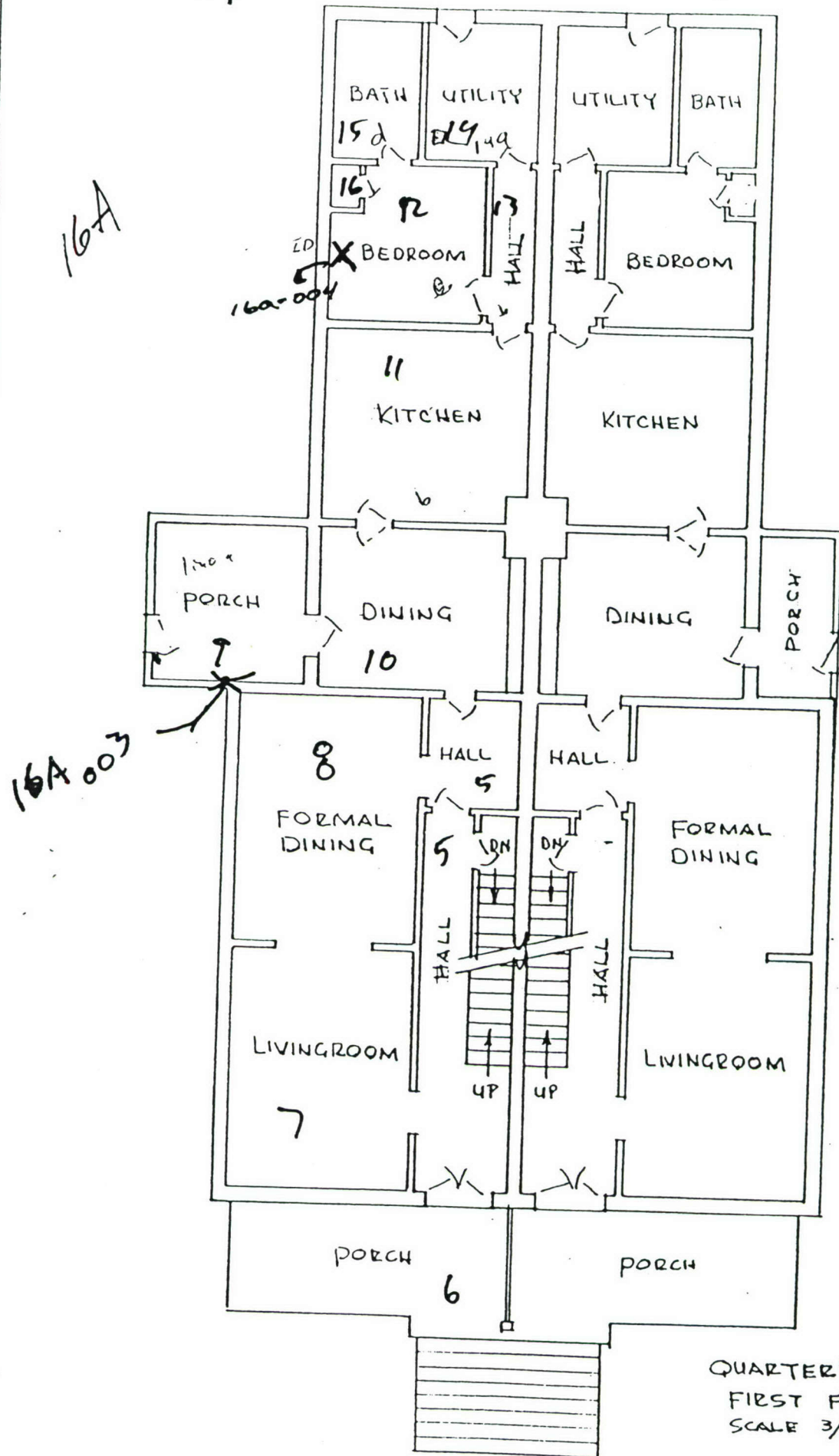
SCALE 1/16" = 1'-0"

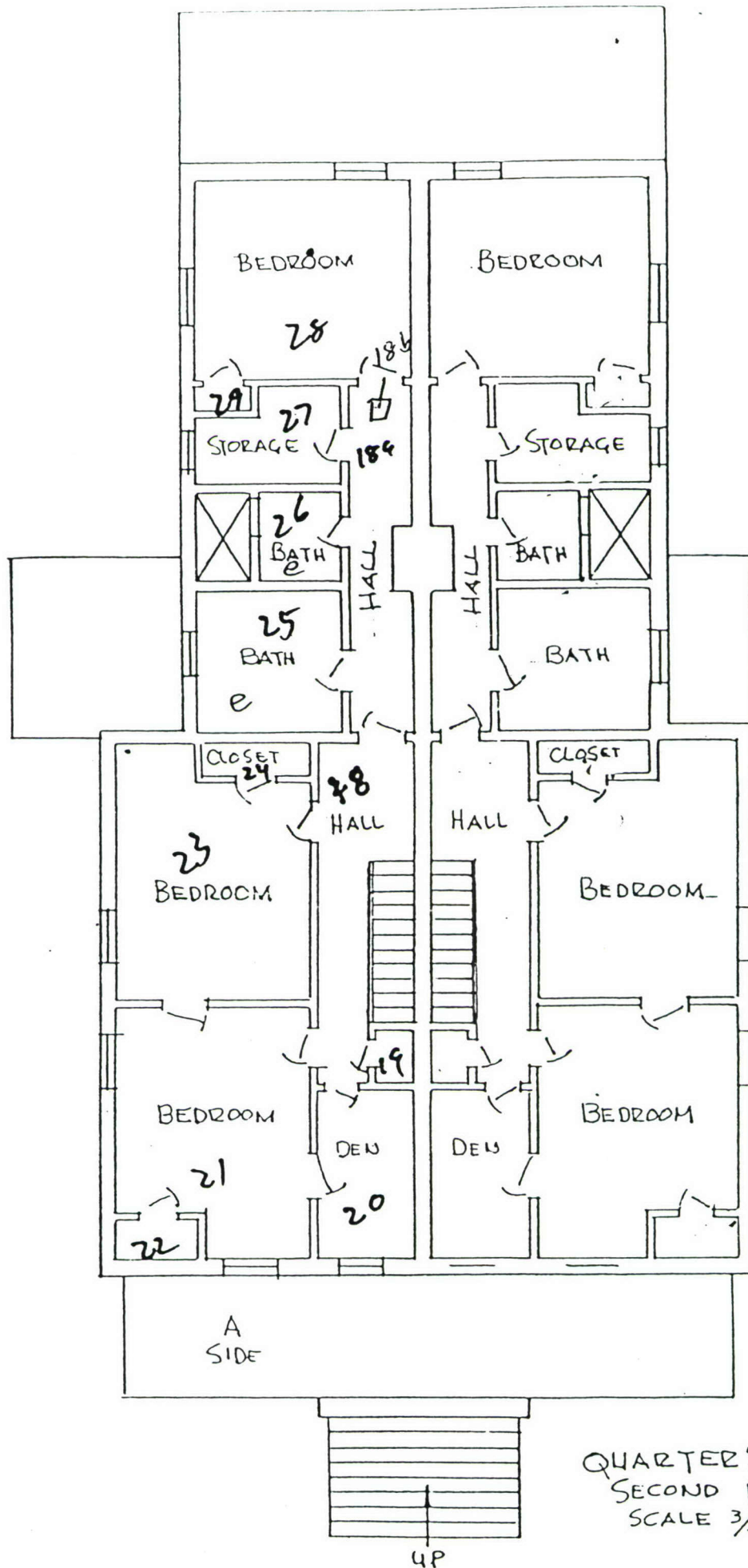
Basement

16A



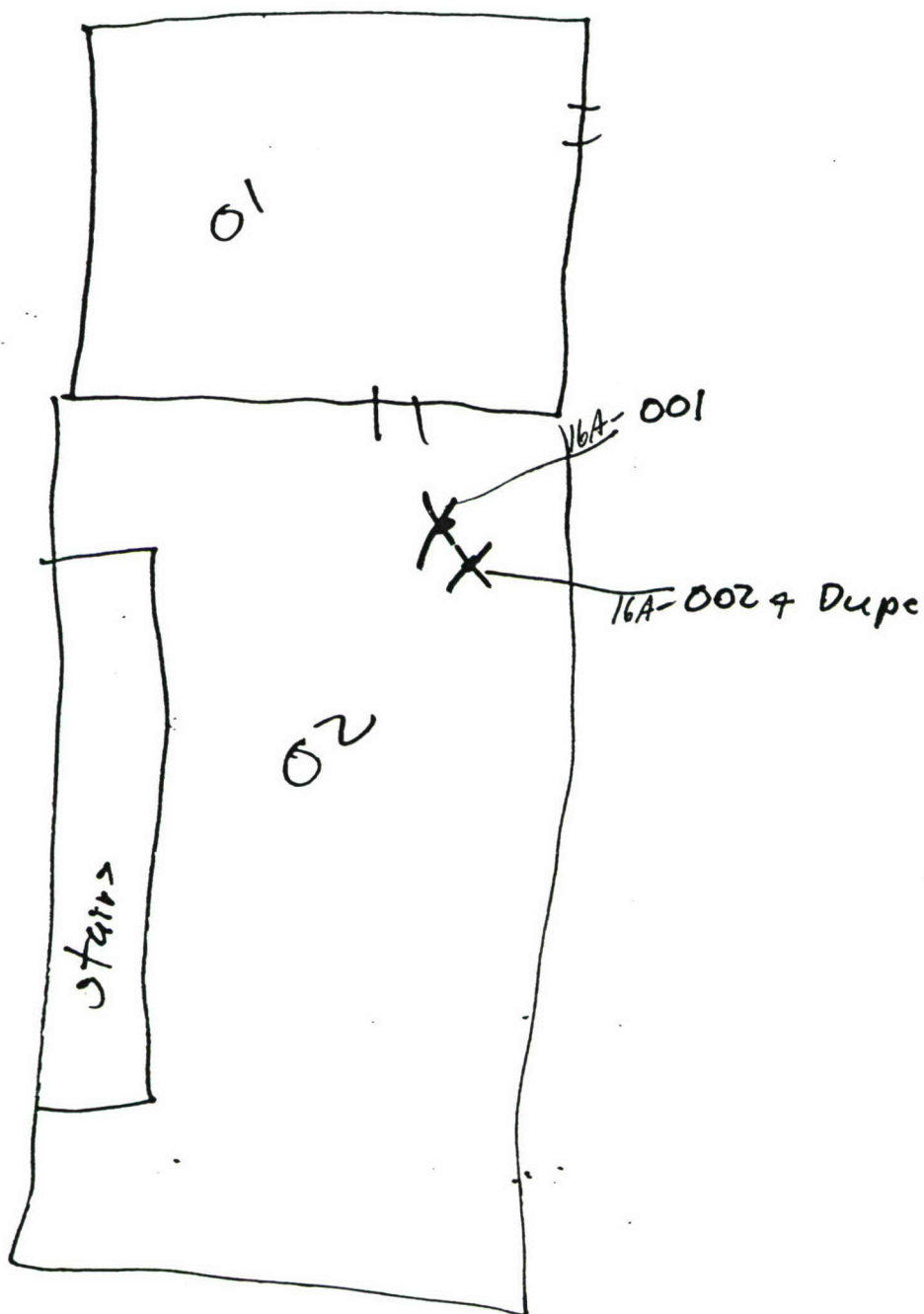
Sample locations & Functional space map



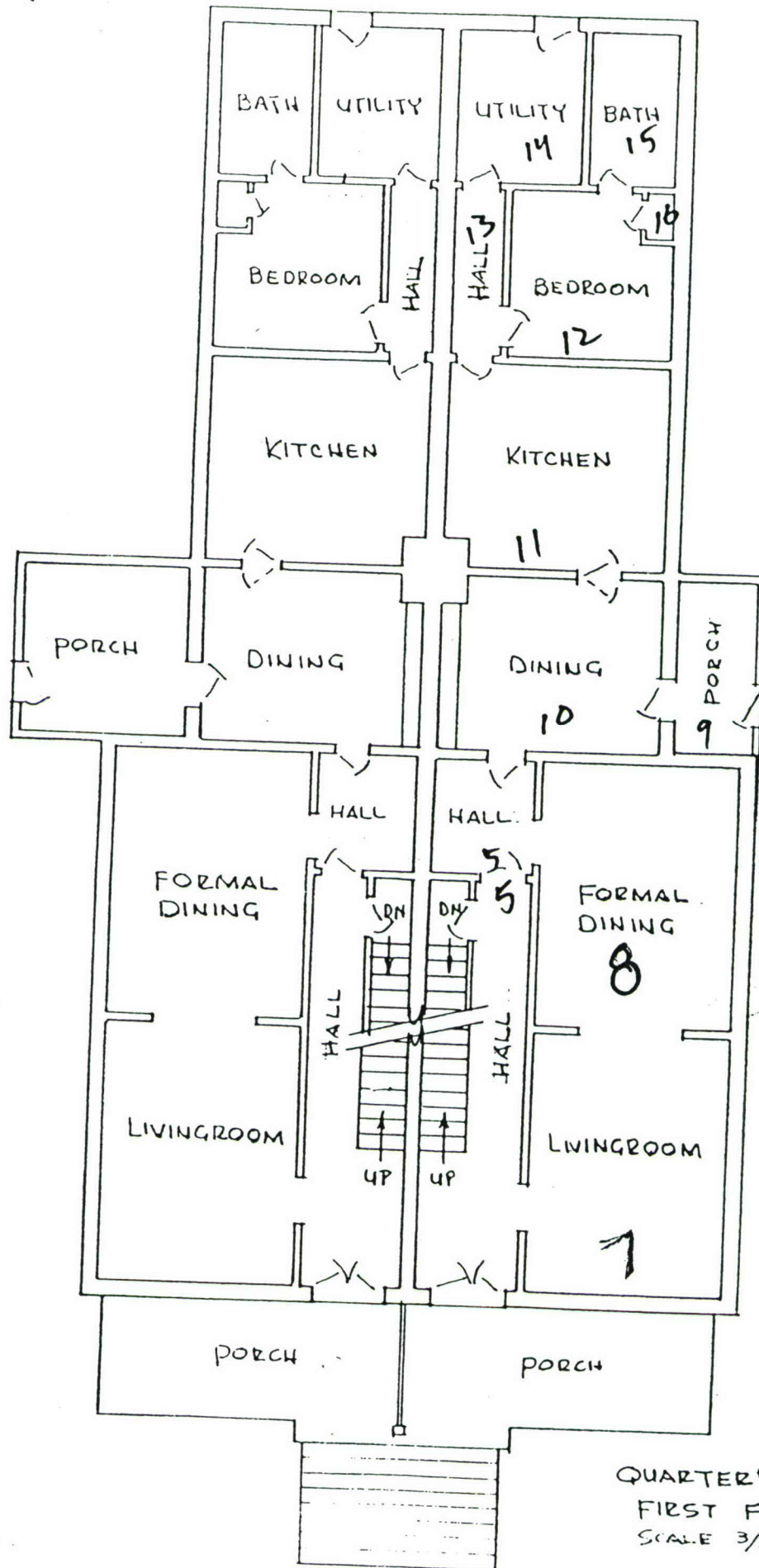


16 B

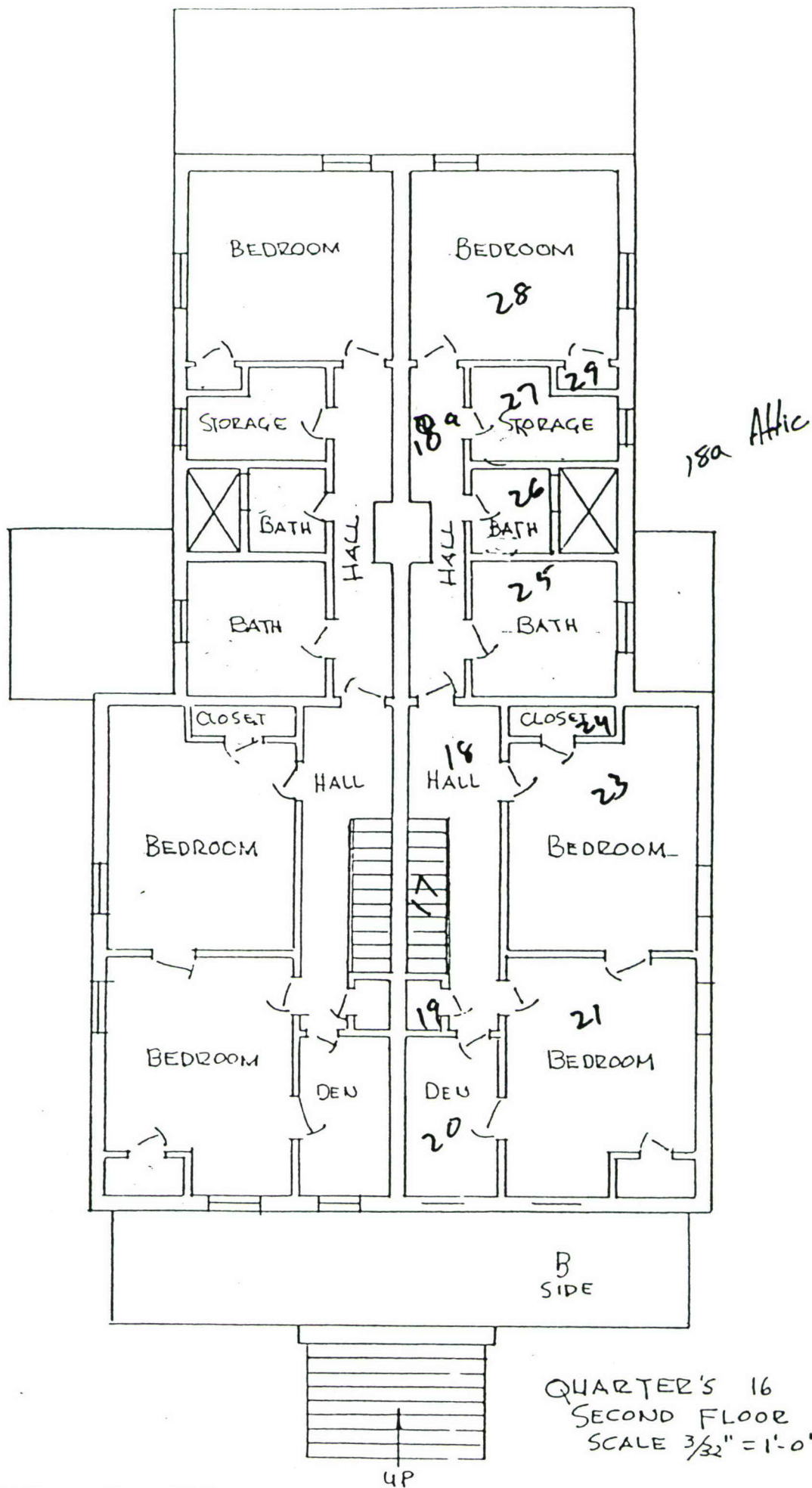
Functional Space &
Sample Location.



Sample locations & Functional Space Map



QUARTERS 16 B
FIRST FLOOR
SCALE $\frac{3}{32}'' = 1'-0''$



6/18/69

Alexy/Hudnall

Bldg 17A

Arrived 1500 hrs

Basement has no floor plan



Unexcavated crawlspace

001a

crawlspace

001

002

Boiler Rm

17A-001 Air cell

6' from floor, 4' from N wall

30' from West wall

003 17A-003

17A 02071

Shutrock on

Small 6' from E

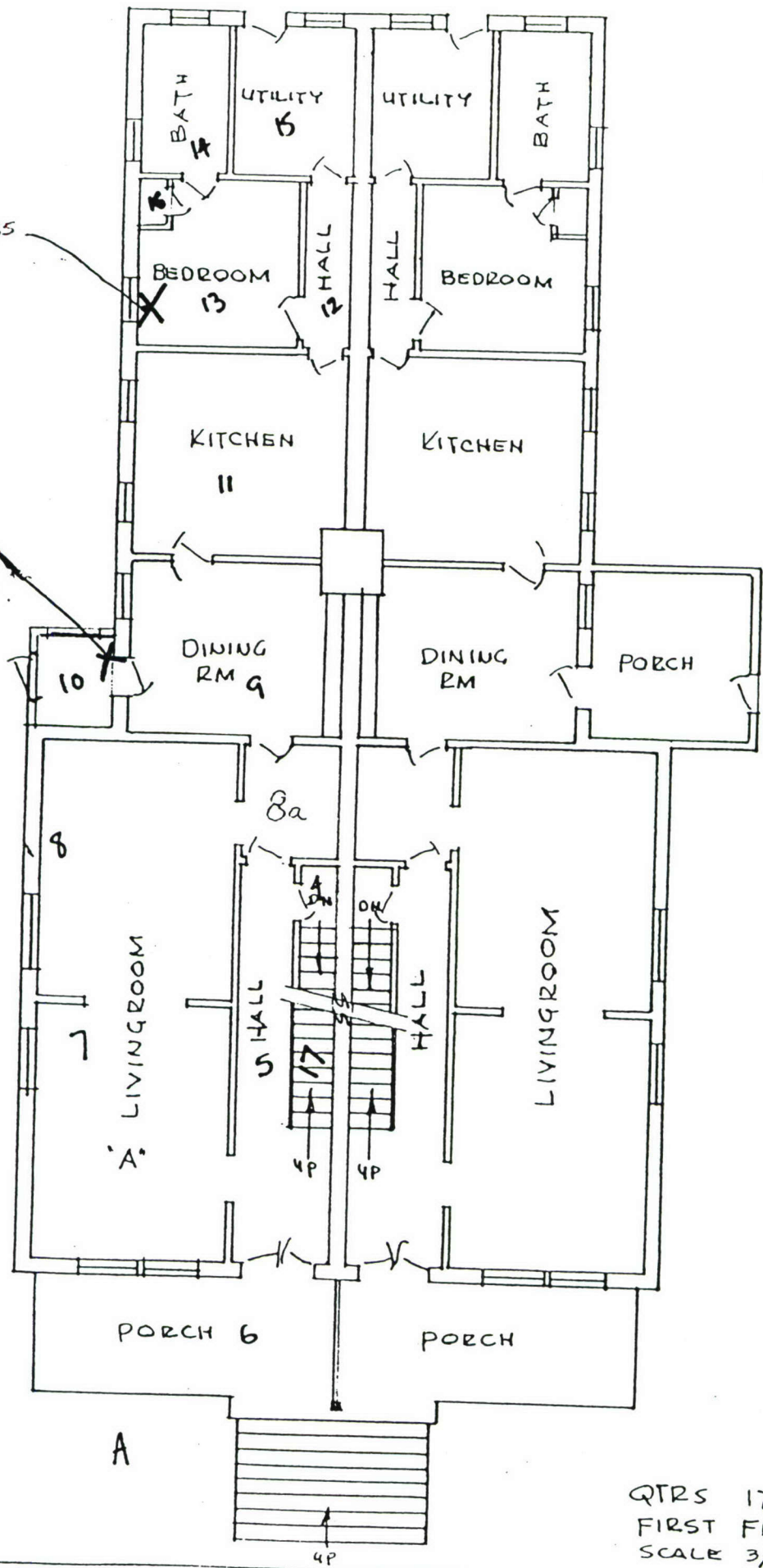
Wall, 5' from floor

17A-002
gilt mud on
5' from floor
11' boiler
12' boiler
5' from floor

004

17A-065

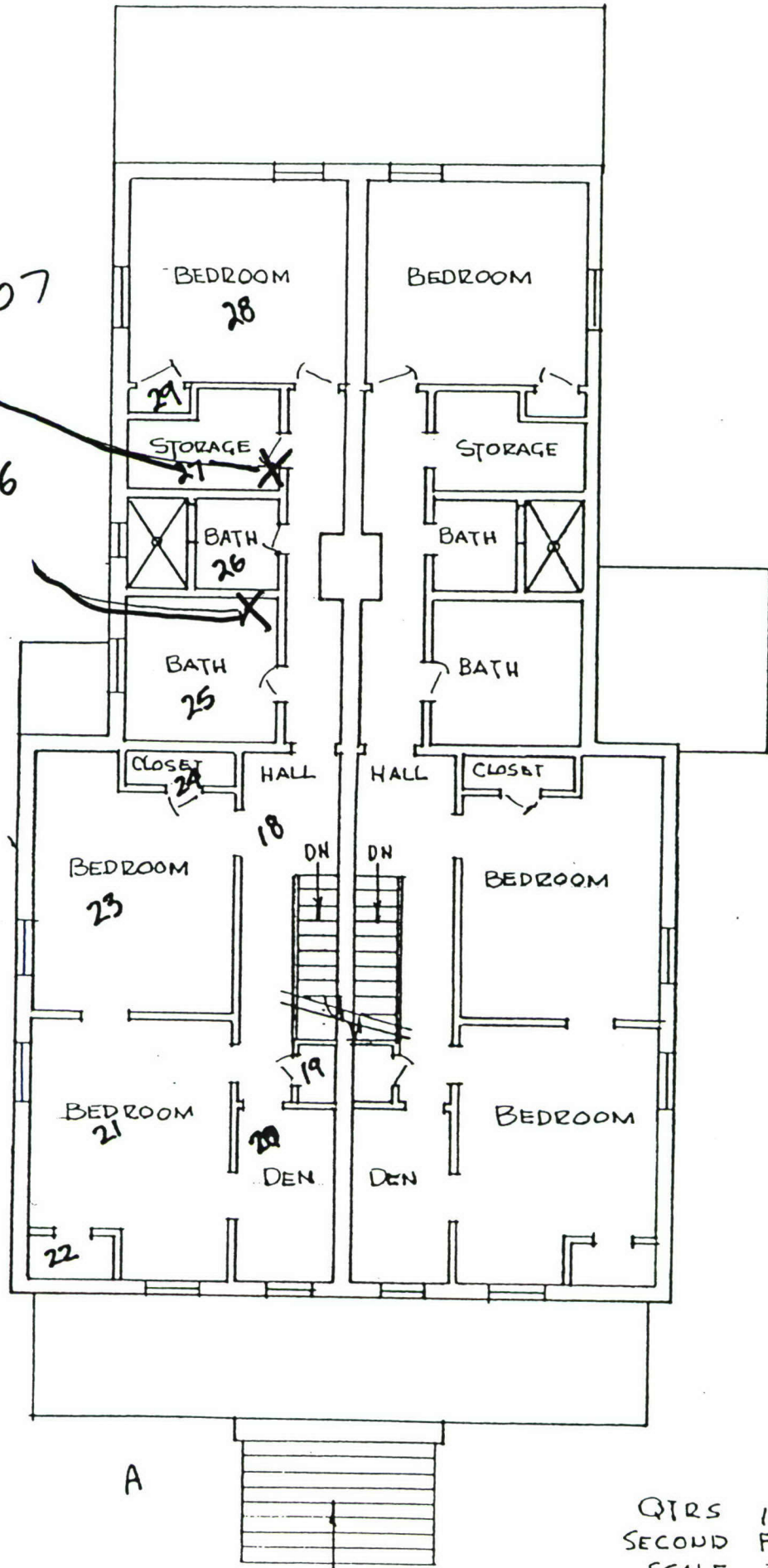
17A-004



QTRS 17 A
FIRST FLOOR
SCALE 3/32" = 1'-0"

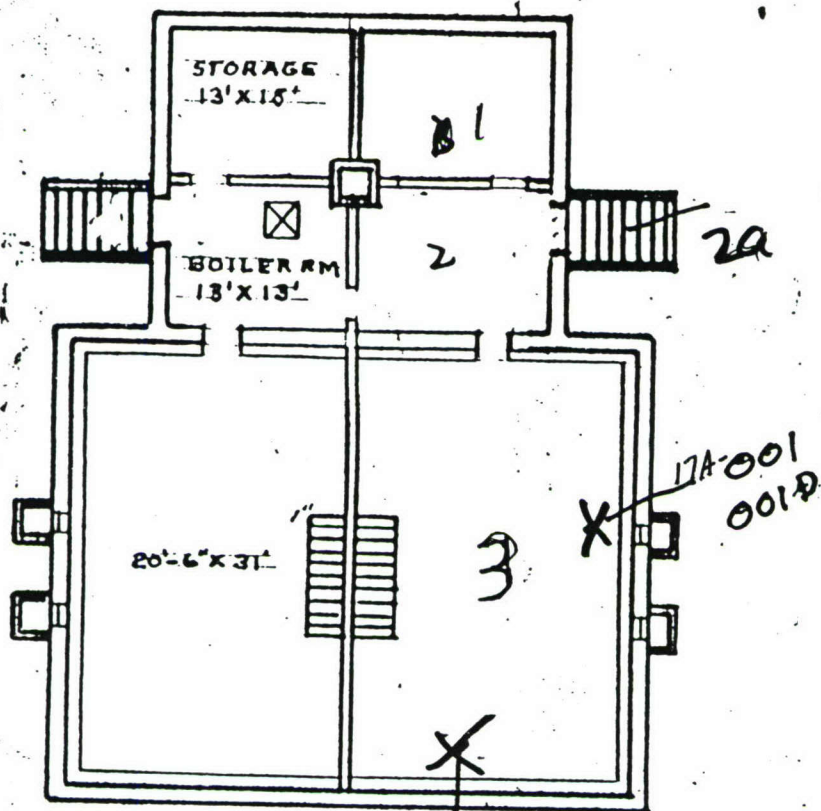
17A-007

17A-006



QIR 17 A
SECOND FLOOR
SCALE 3/32" = 1'-0"

Sample location map &
Functional Space map

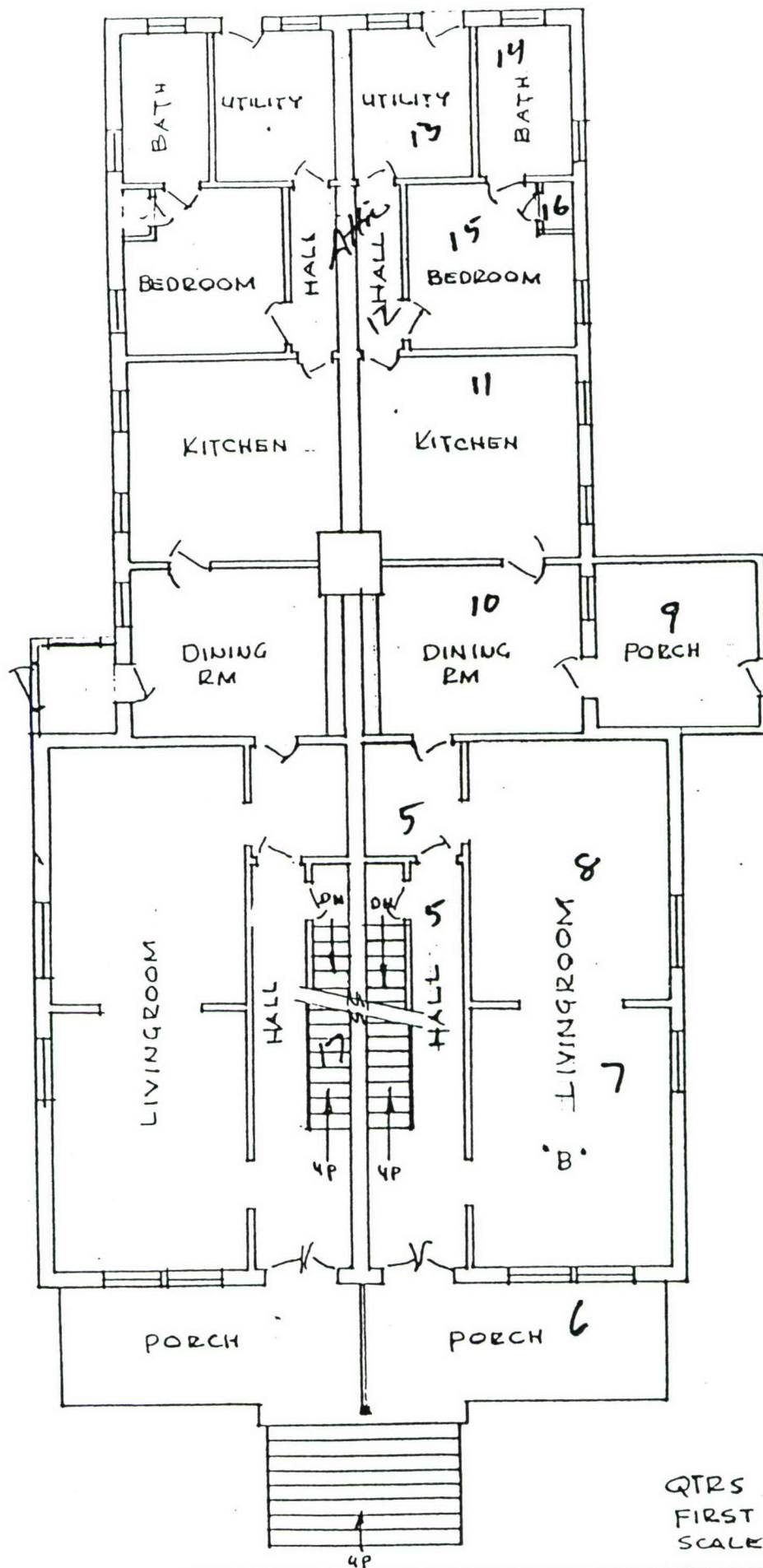


"B"

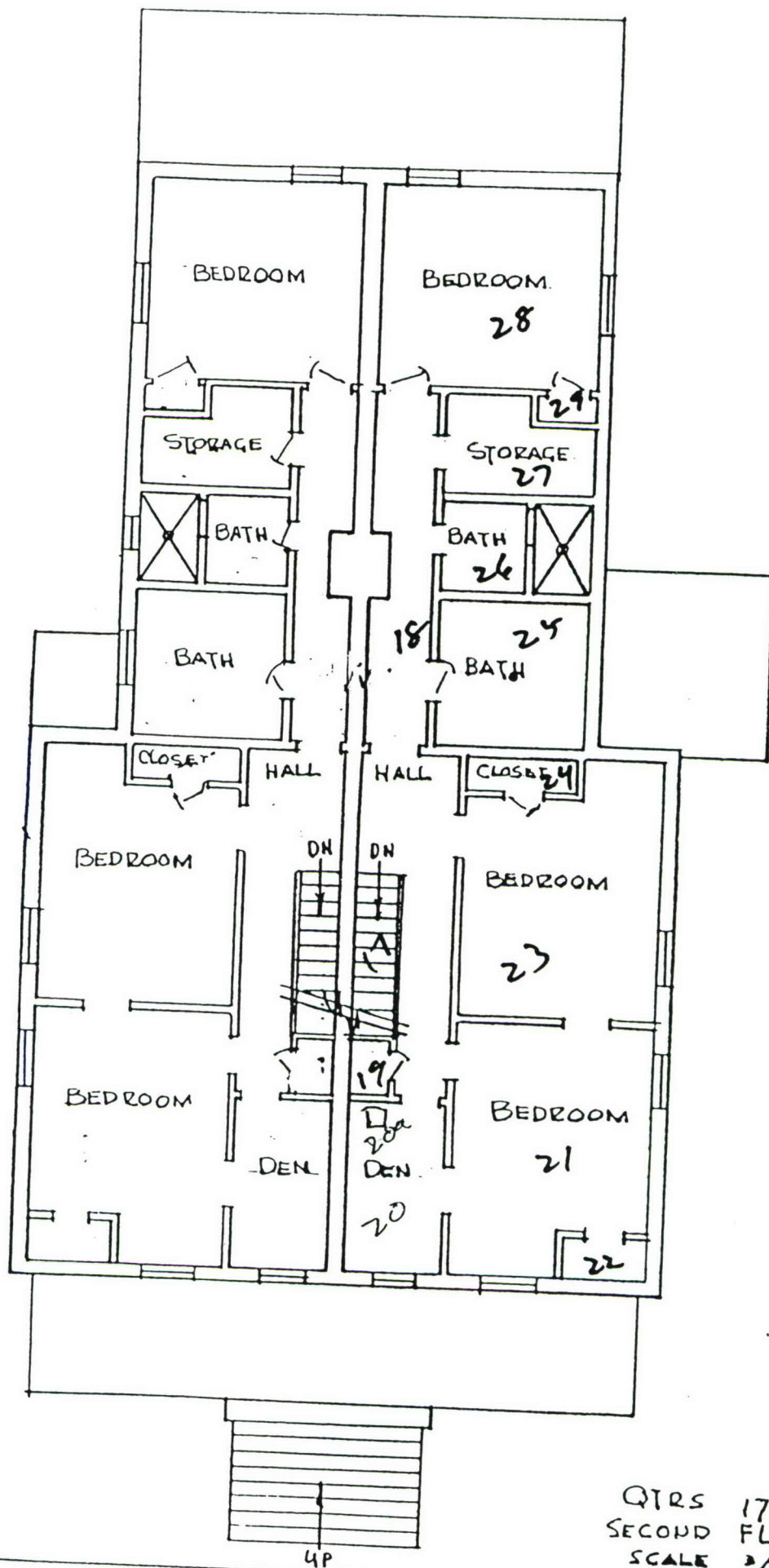
BASEMENT QTRS

SCALE 1/16" = 1'-0"

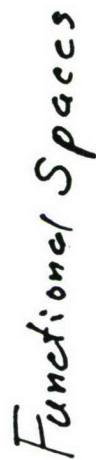
17b



QTRS 17 B
 FIRST FLOOR
 SCALE 3/32" = 1'-0"



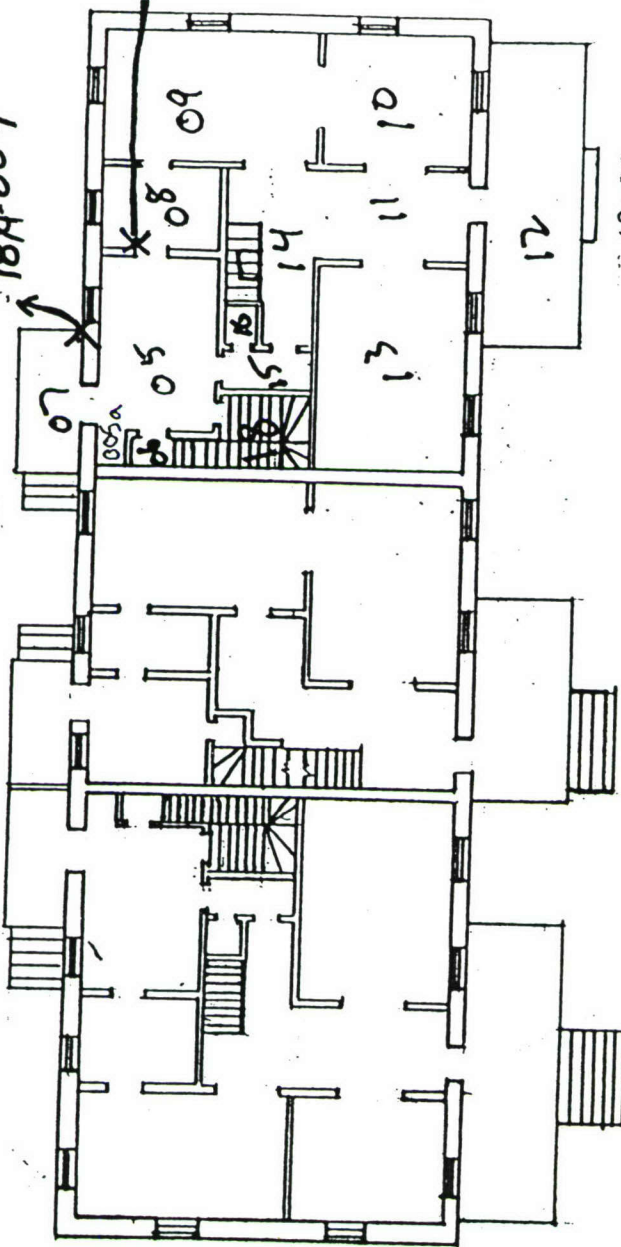
QTRS 17 B
 SECOND FLOOR
 SCALE 3/32" = 1'-0"



NA

site ID
18A-004

site ID
18A-005

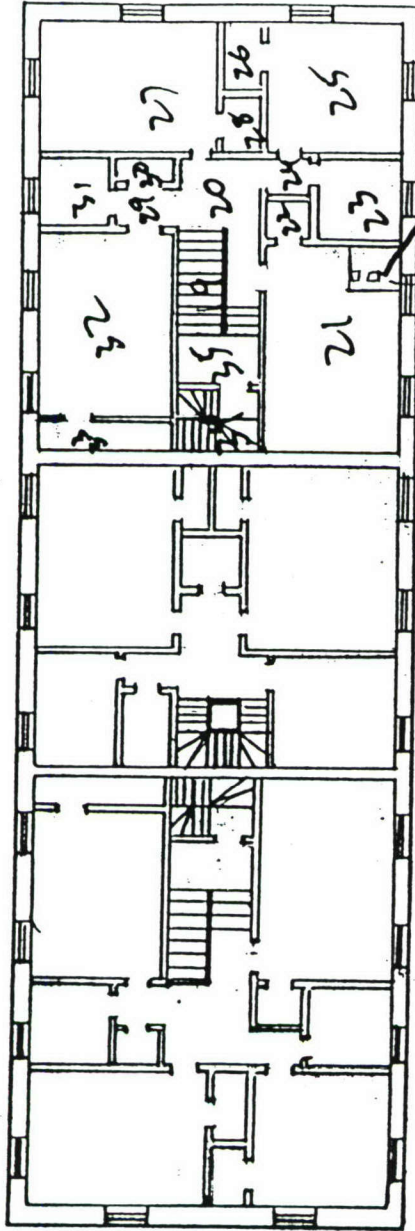


18-A

FIRST FLOOR BLDG. 18

SCALE 1/16" = 1'-0"

N↑

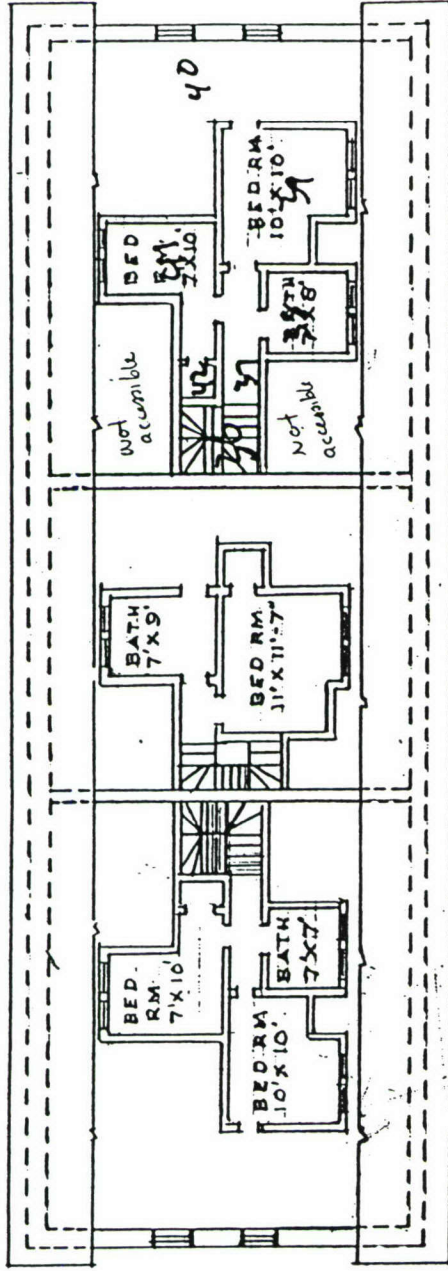


SECOND FLOOR BLDG 18

SCALE 1/16" = 1'-0"

21A

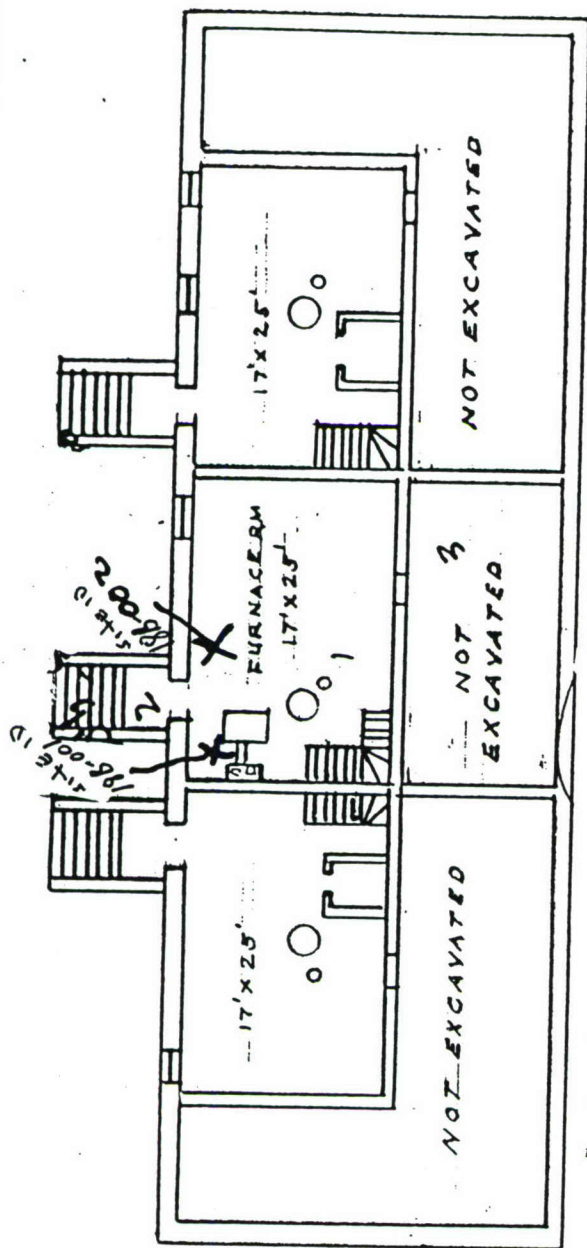
NA



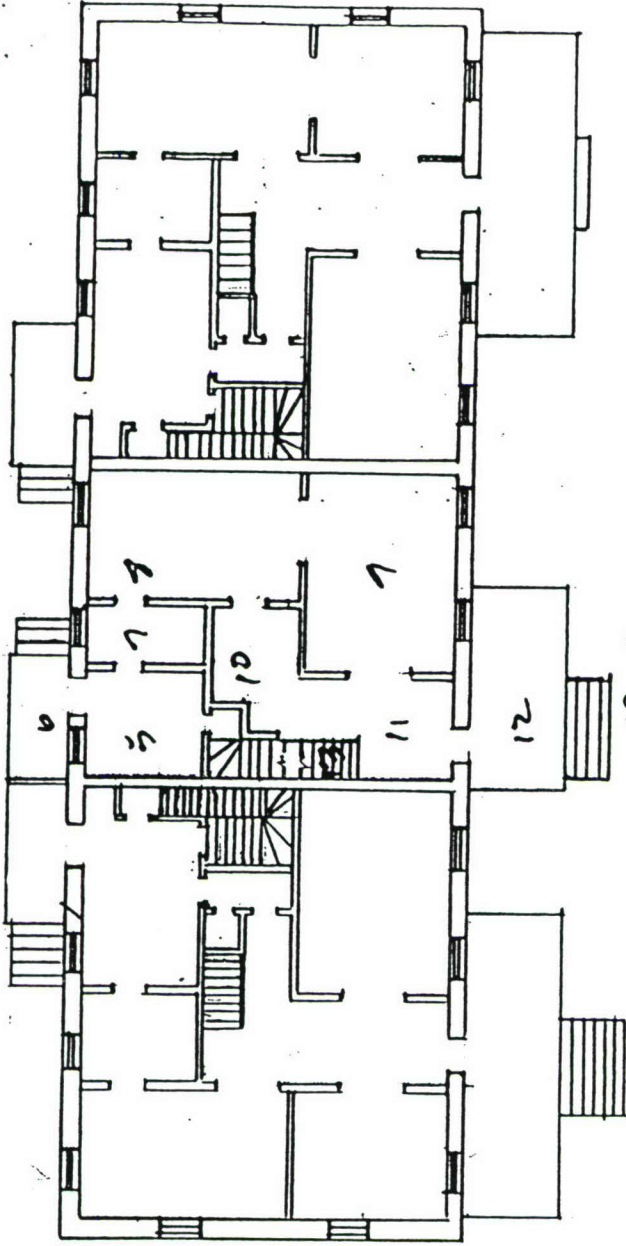
18-A

ATTIC BLDG 18

SCALE 1/16" = 1'-0"



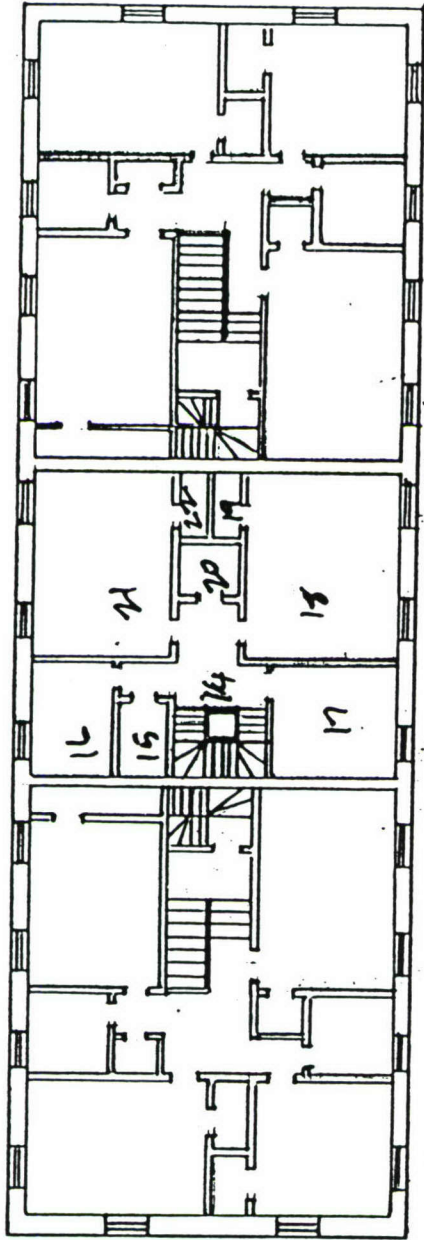
SCALE 1/16" = 1'-0"



18-B

FIRST FLOOR BLDG. 18

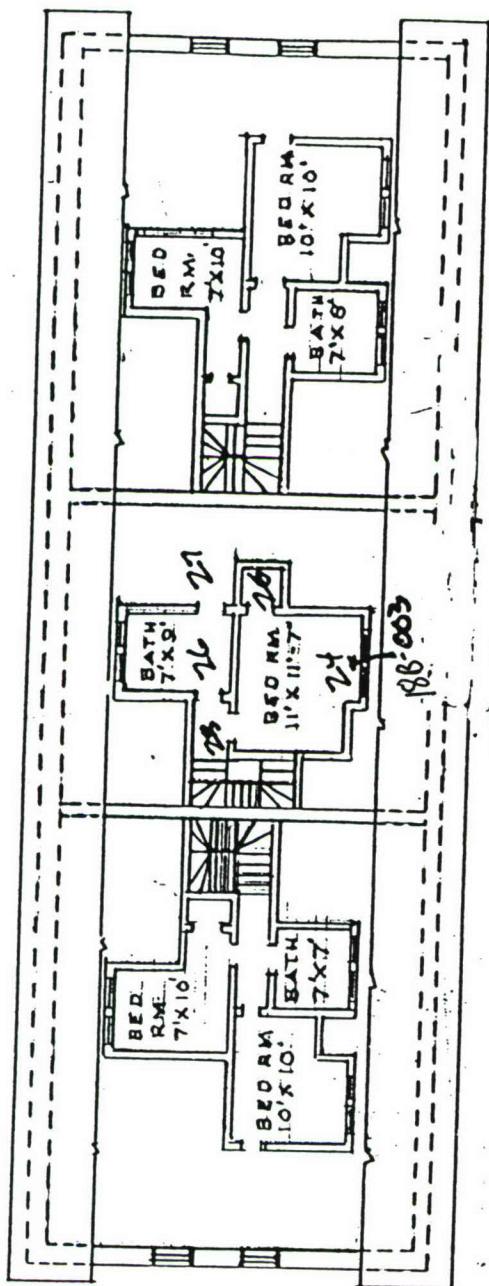
SCALE 1/16" = 1'-0"



18-B

SECOND FLOOR BLDG 18

SCALE 1/16" = 1'-0"



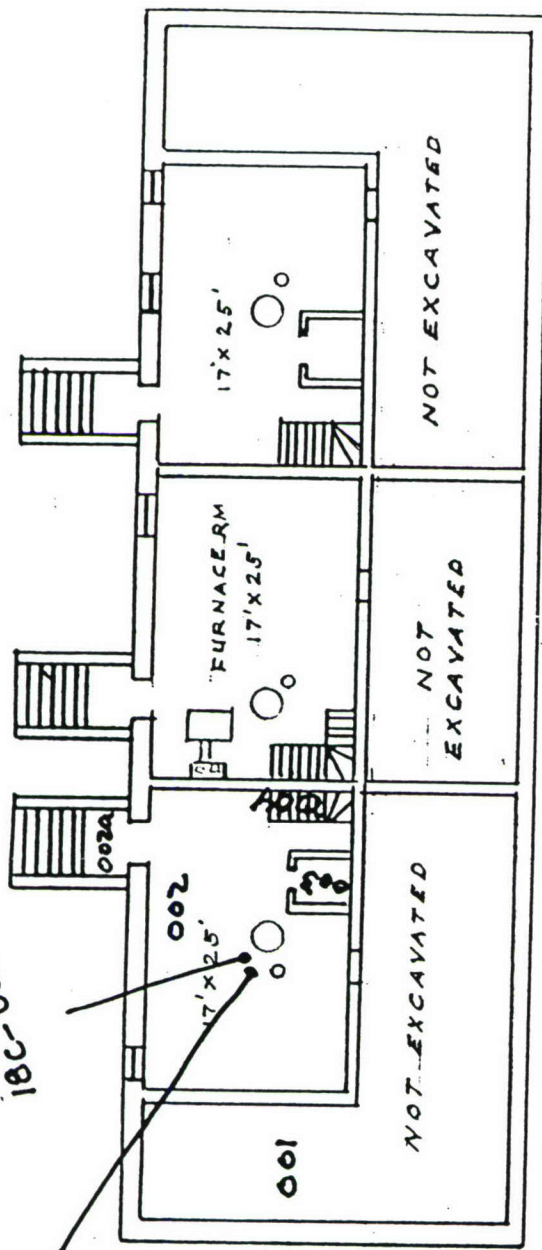
ATTIC BLDG 18

SCALE 1/16" = 1'-0"

N ↑

Duplicate

100-10018C

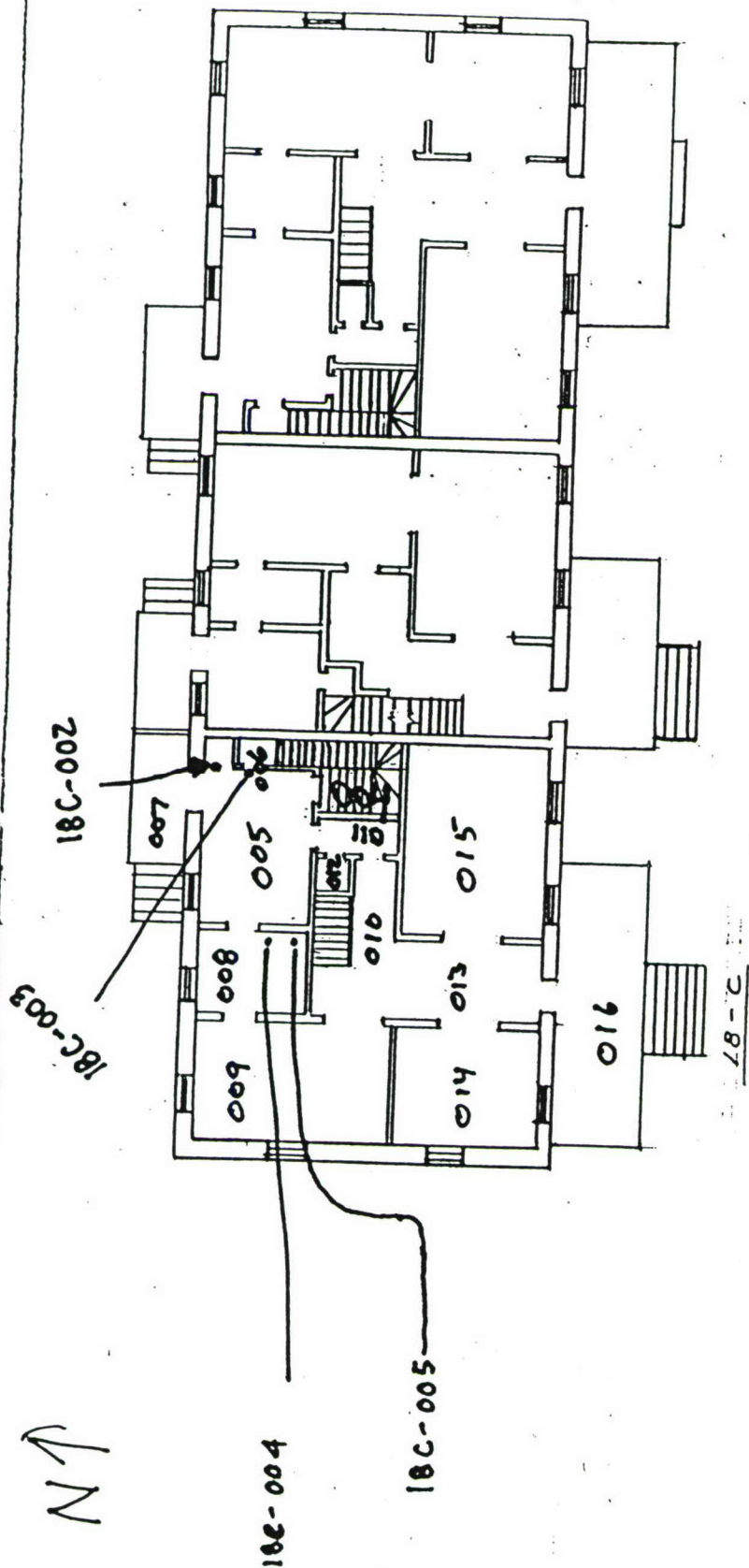


18-C

BASEMENT BLDG. 18

SCALE 1/16" = 1'-0"

Sample #5



Sample #'s

This floor plan shows the second floor of the building. It features a central staircase and several rooms, including a large room labeled 019, a room labeled 020, and a room labeled 021. There are also smaller rooms and a central area labeled 010. The plan includes a north arrow pointing towards the top right.

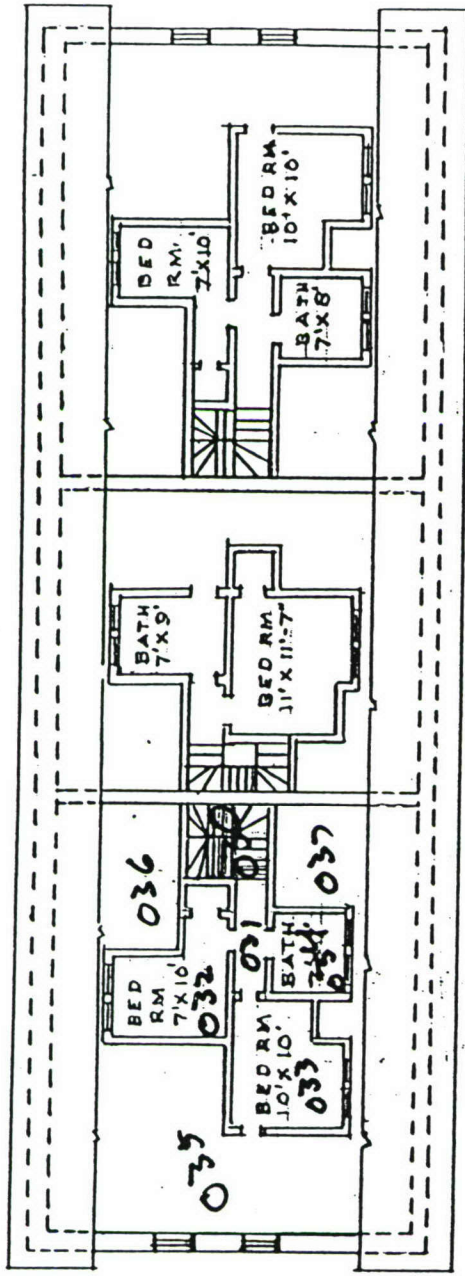
 $78 = C$

SECOND FLOOR BLD G 18

SCALE 1/16" = 1' - 0"

Sample #'s

N ↑

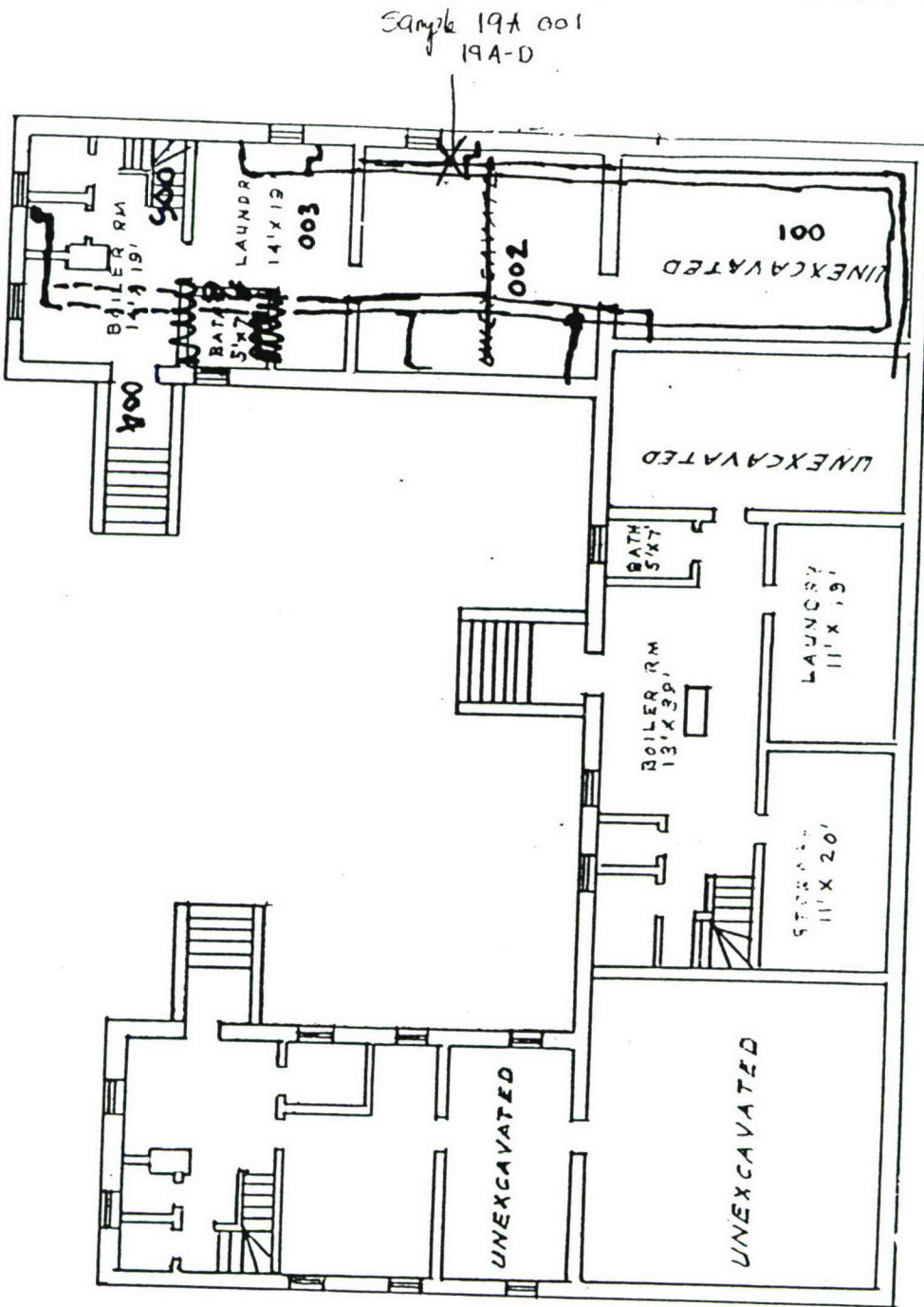


18-C

ATTIC BLDG 18

SCALE 1/16" = 1'-0"

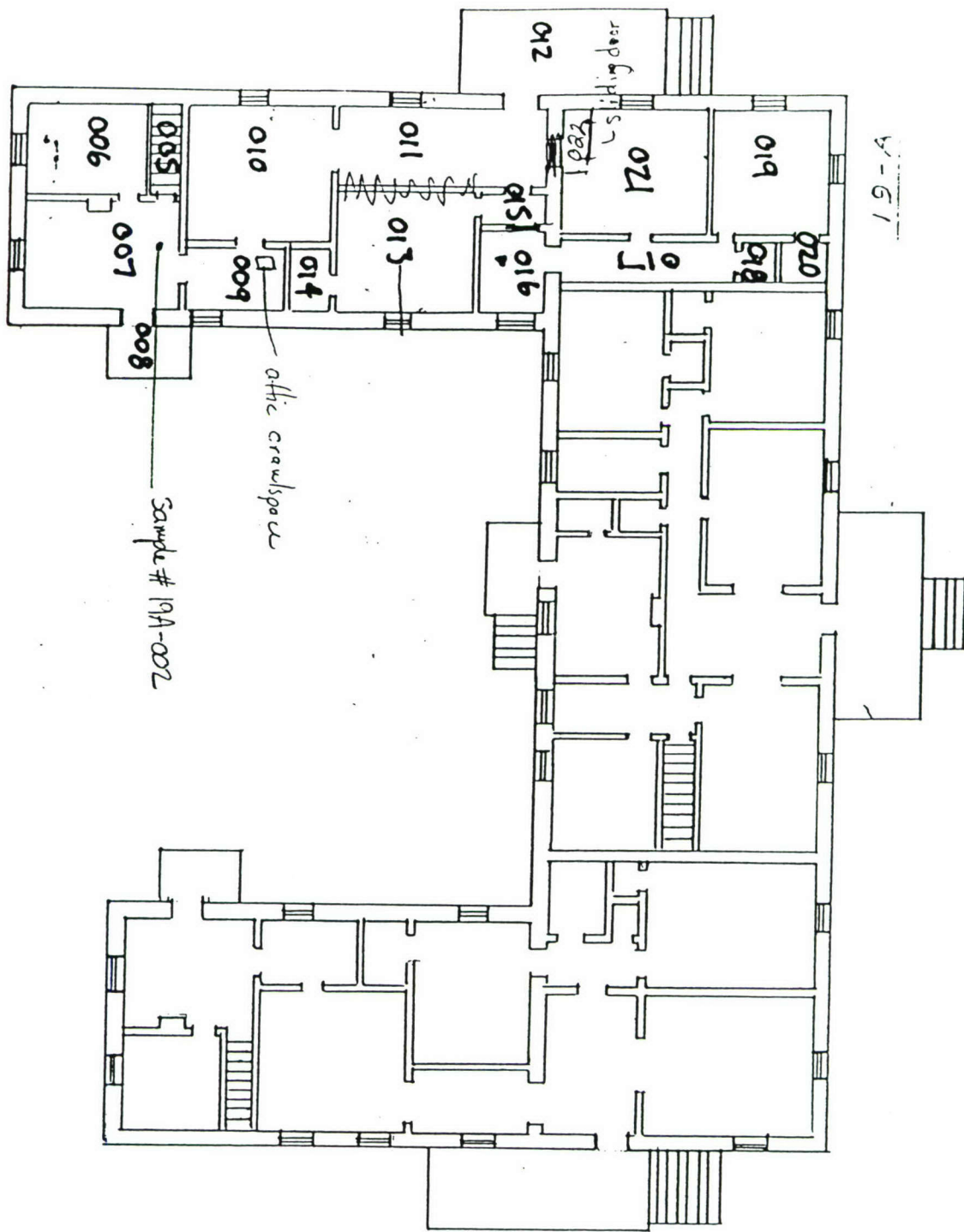
Sample #'s



19-A

BASEMENT BLDG 19
SCALE 1/16" = 1'-0"

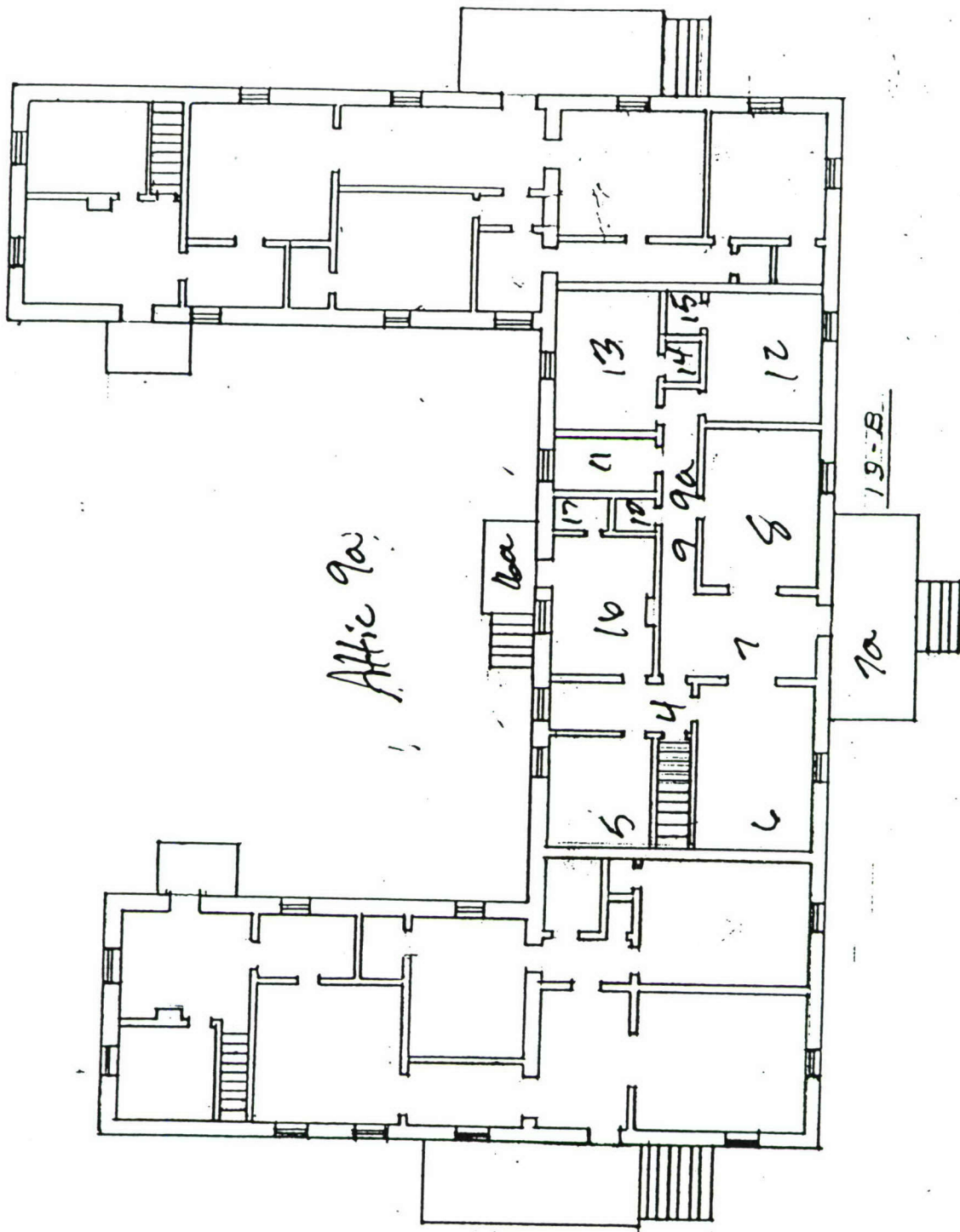
N ↑



NA

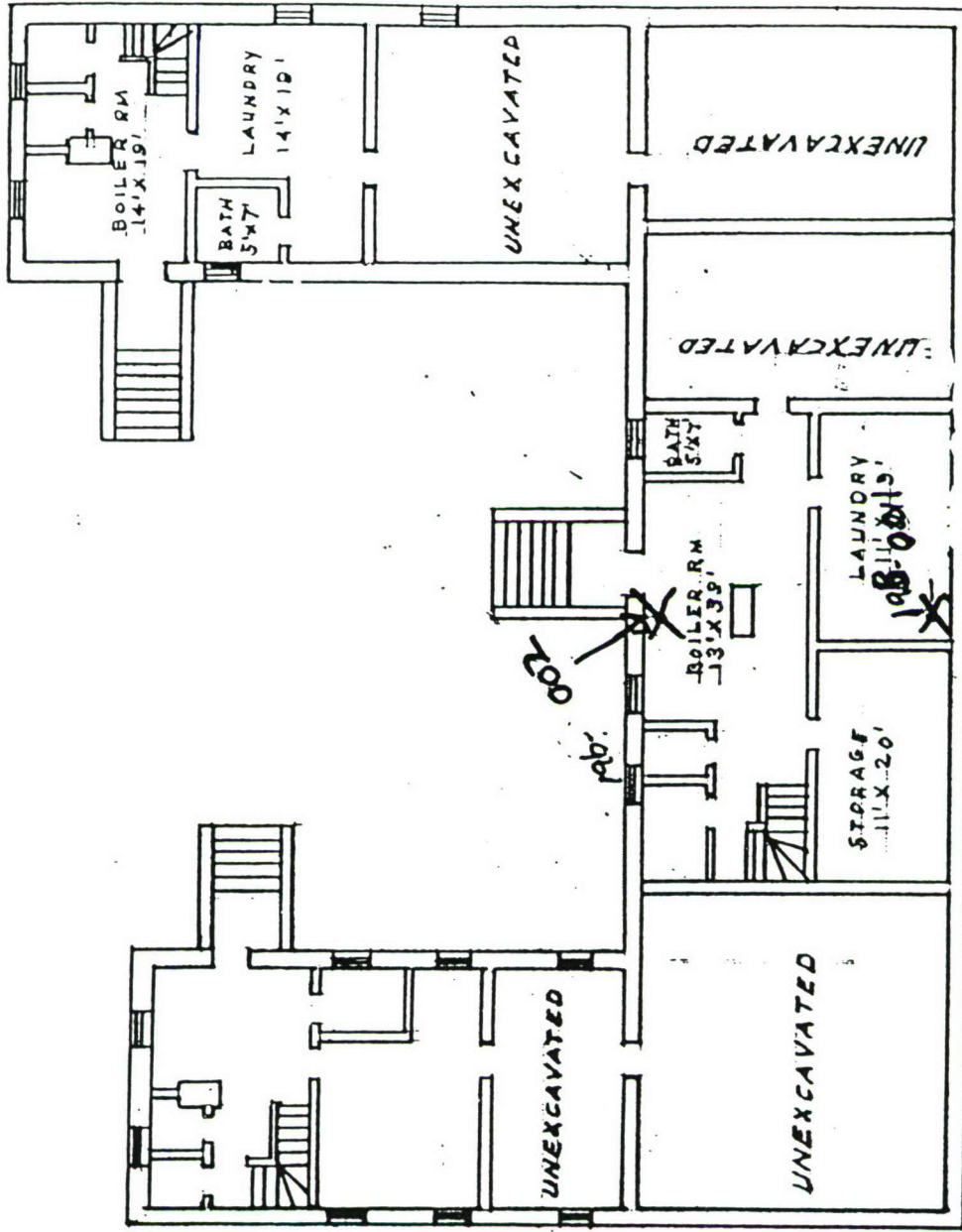
FIRST FLOOR BLDG 19
SCALE 1/16" = 1'-0"

19-A



FIRST FLOOR BLDG 19

SCALE 1/16" = 1'-0"

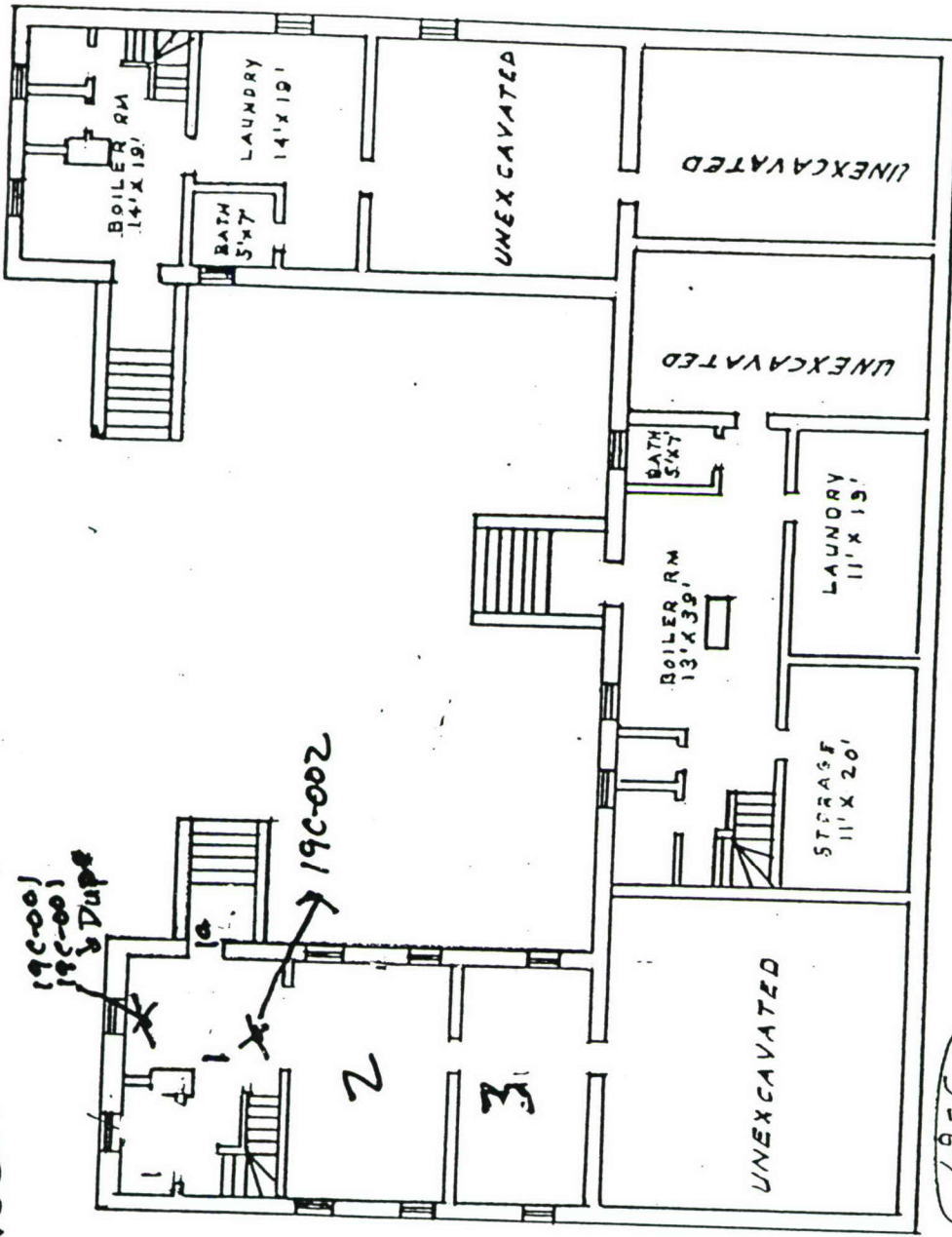


19-B

BASEMENT BLDG 19

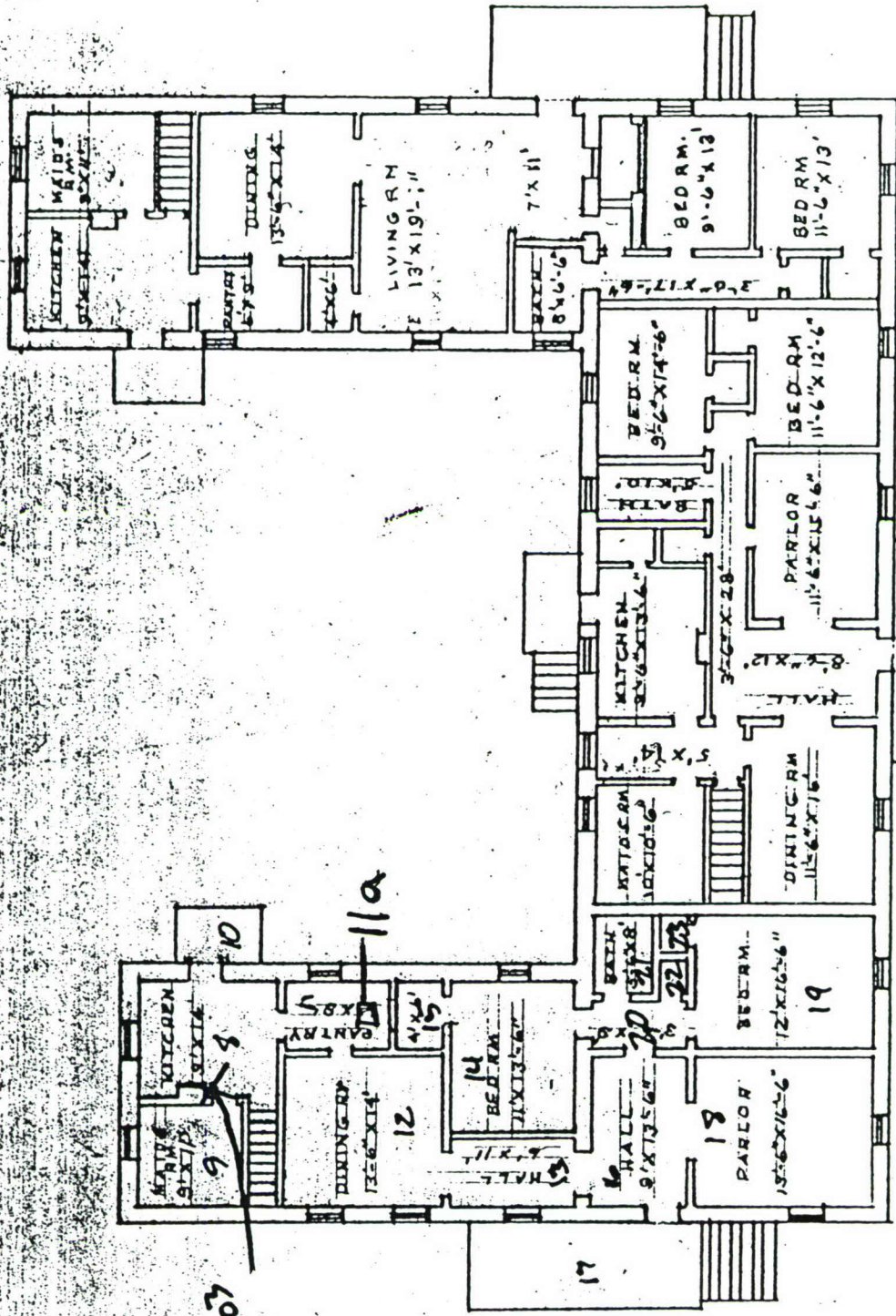
SCALE 1/16" = 1'-0"

Sample location Map of Functional Spaces



19-C
BASEMENT BLDG 19

SCALE 1/16" = 1'-0"



FIRST FLOOR BLDG. 19
SCALE 1/16" = 1'-0"

19-C

192-003

11a

10

9

12

14

17

10

11

18

19

20

21

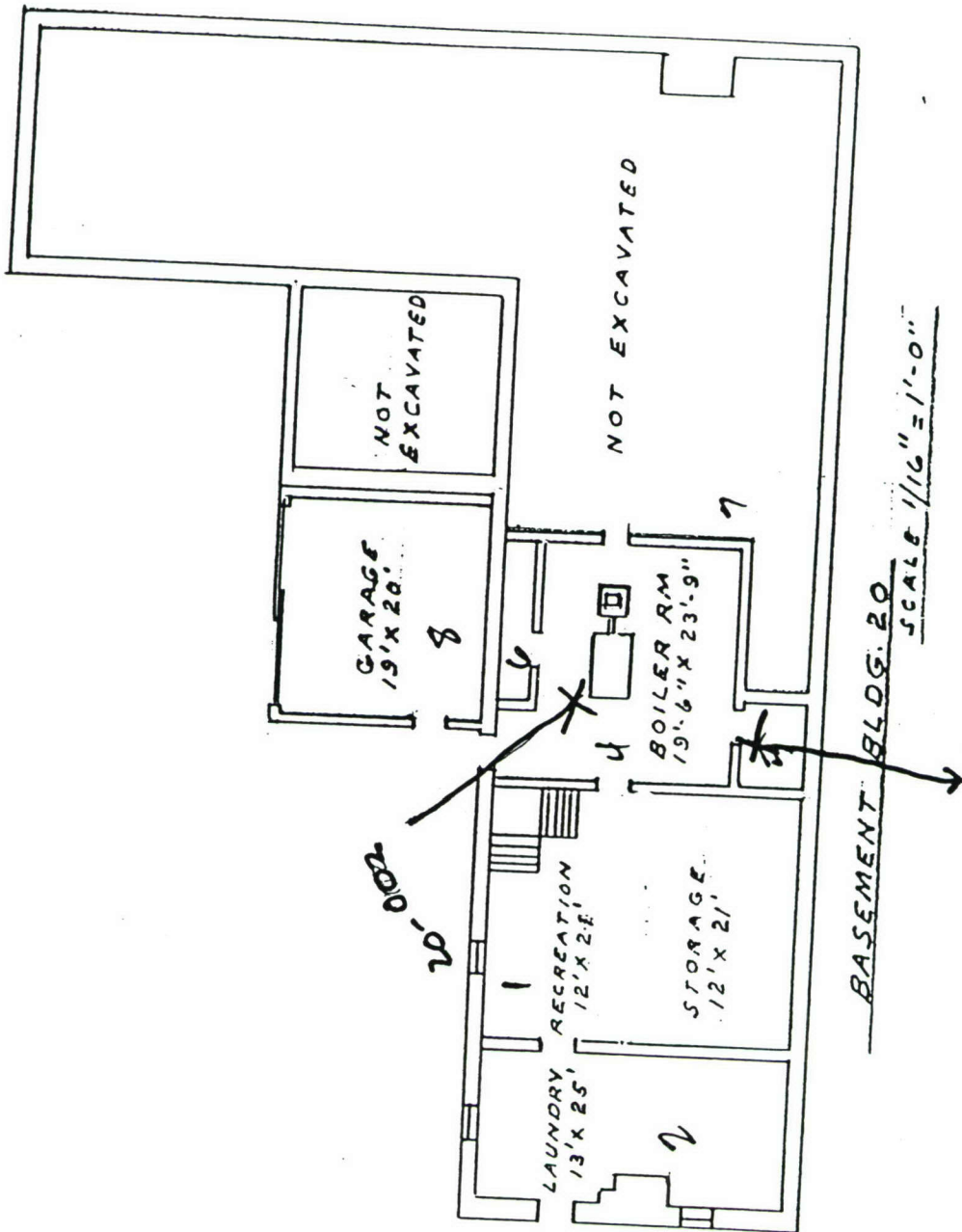
22

23

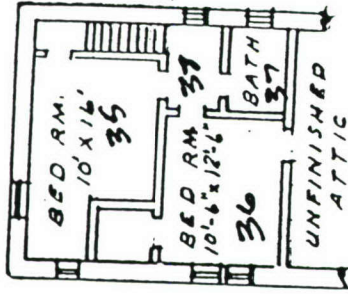
24

25

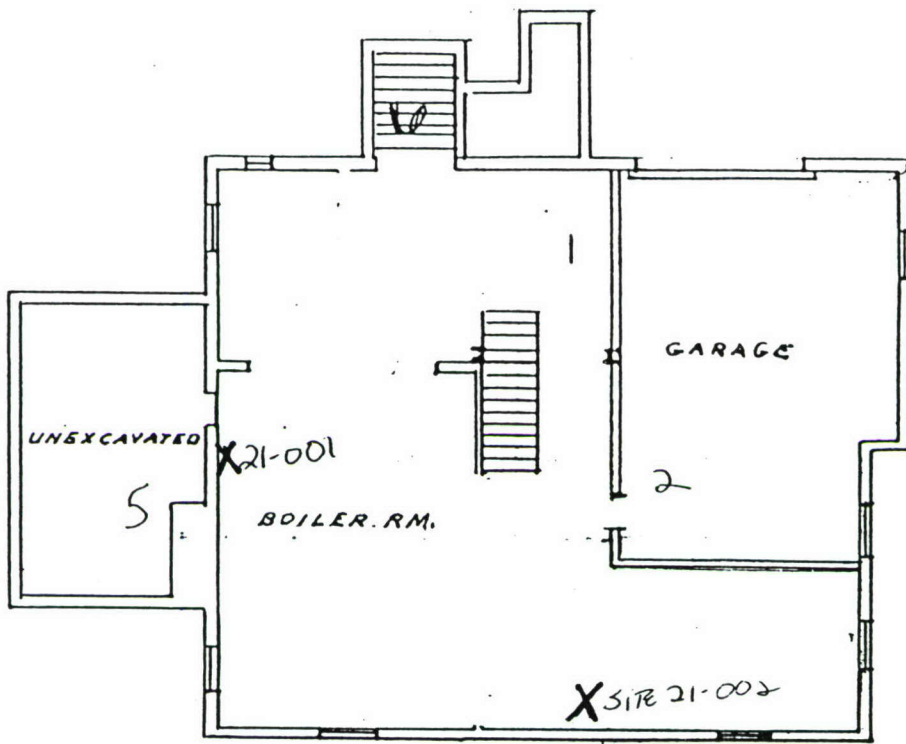
Handed Area
Sample Site Location







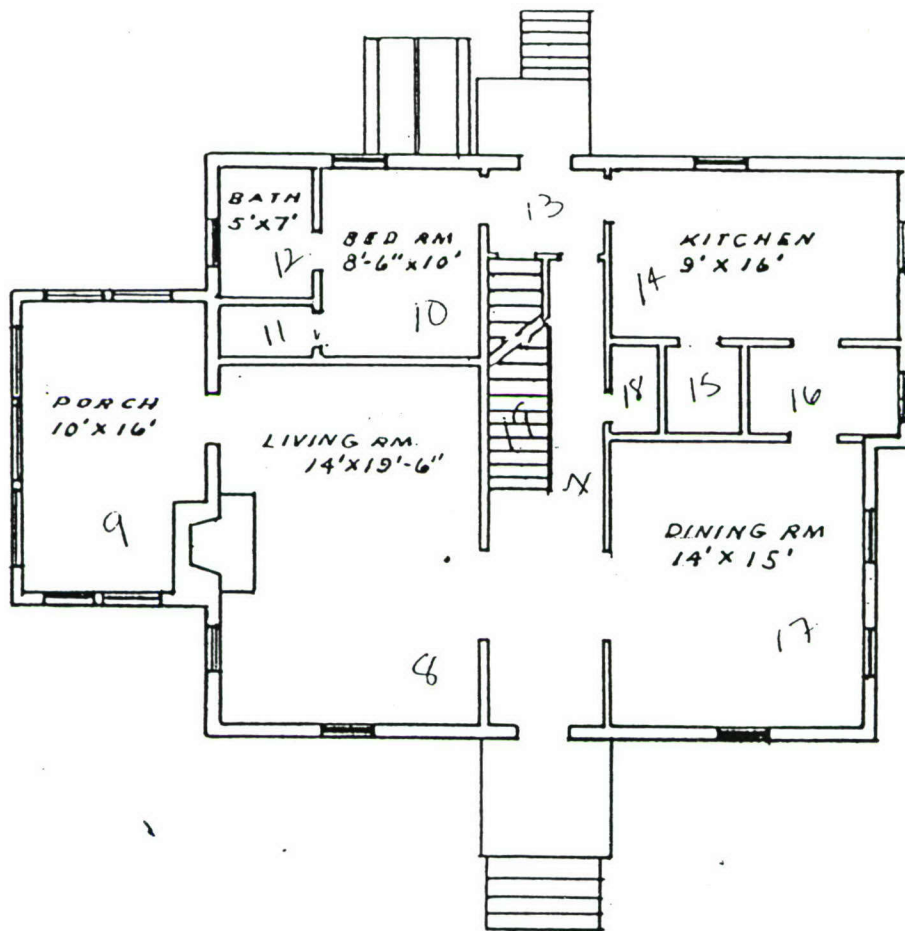
ATTIC BLDG20



BASEMENT BLDG 21

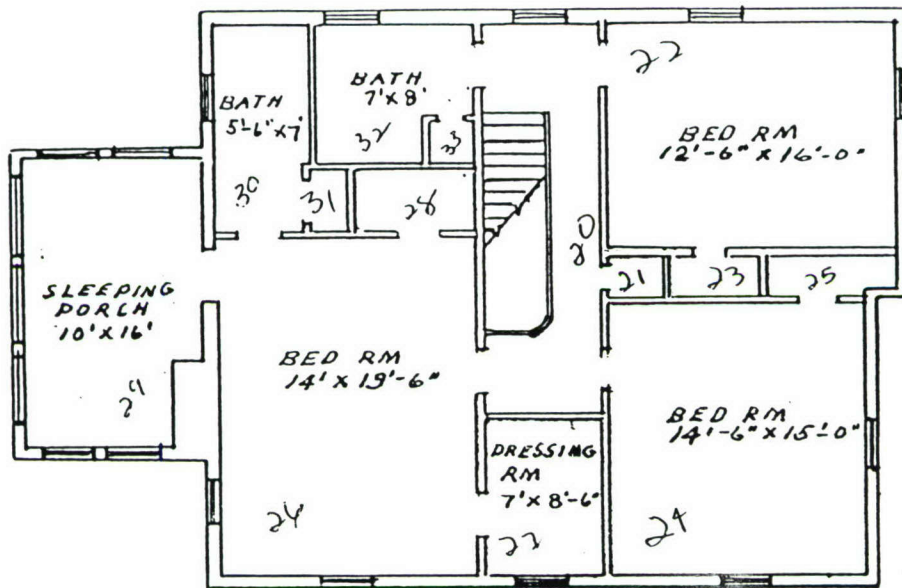
SCALE 3/32" = 1'-0"

Functional spaces 3 & 4
do not exist



FIRST FLOOR BLDG 21

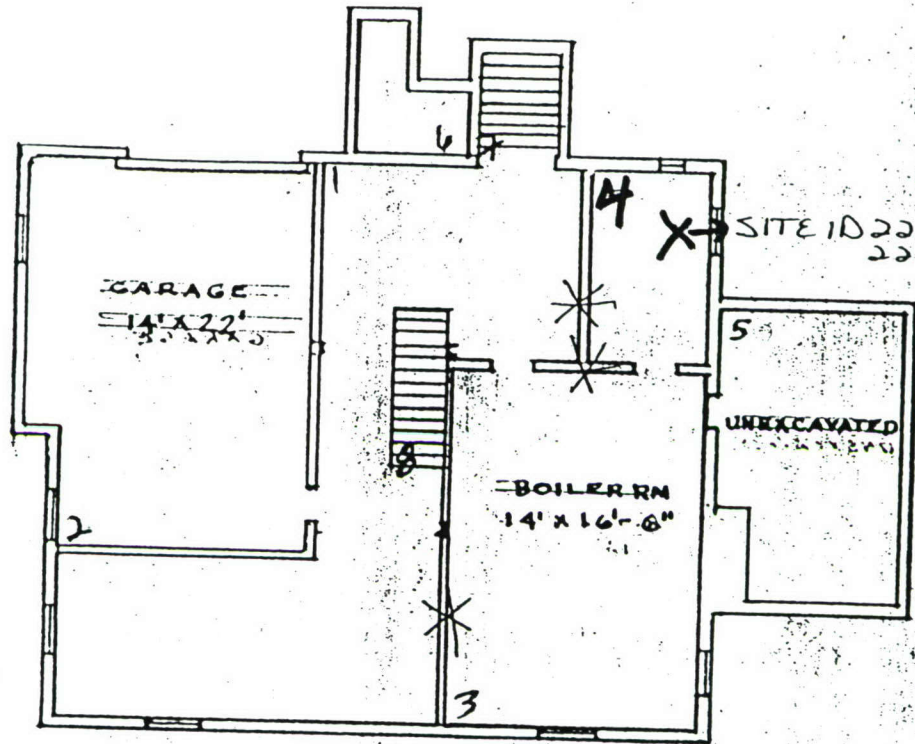
SCALE 3/32" = 1'-0"



Attch 20

SECOND FLOOR BLDG 21

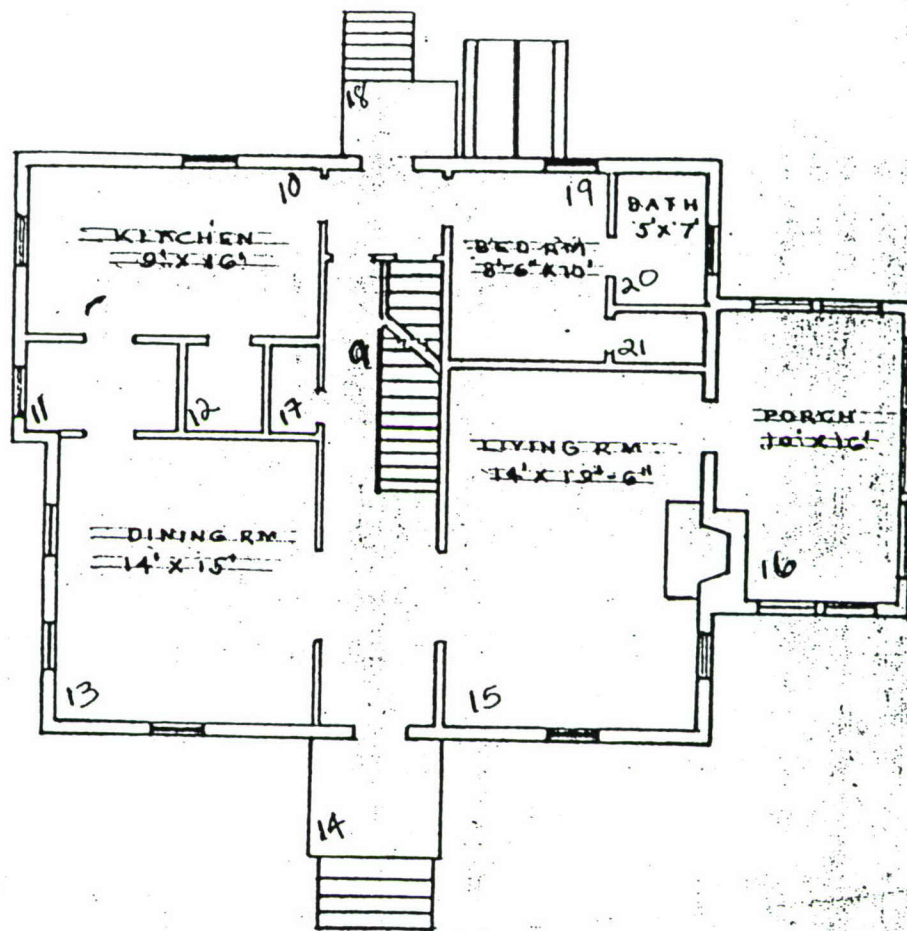
SCALE 3/32" = 1'-0"



BASEMENT QTRS 22

SCALE 3/32" = 1'-0"

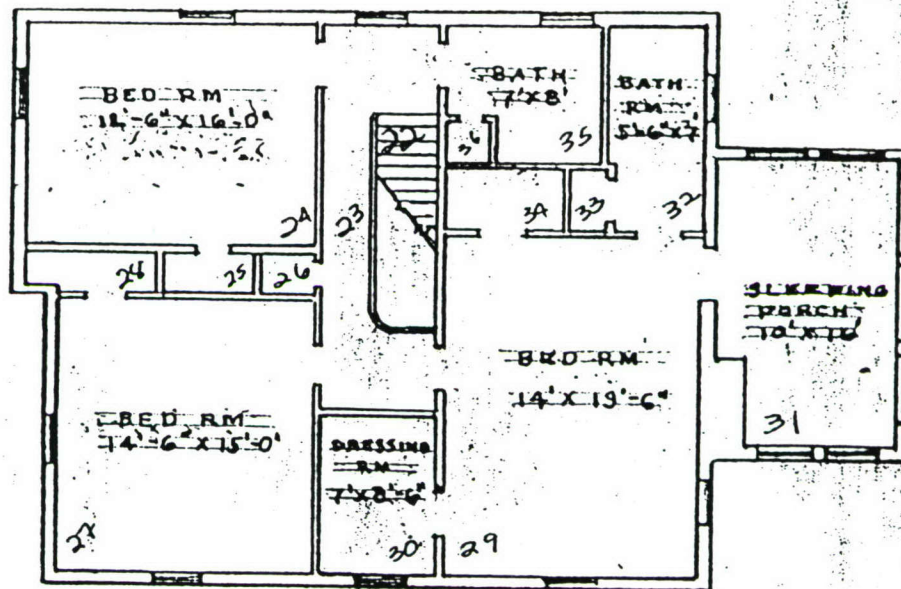
* = walls
no longer
exist.



FIRST FLOOR QTRS. 22

SCALE 3/32" = 1'-0"

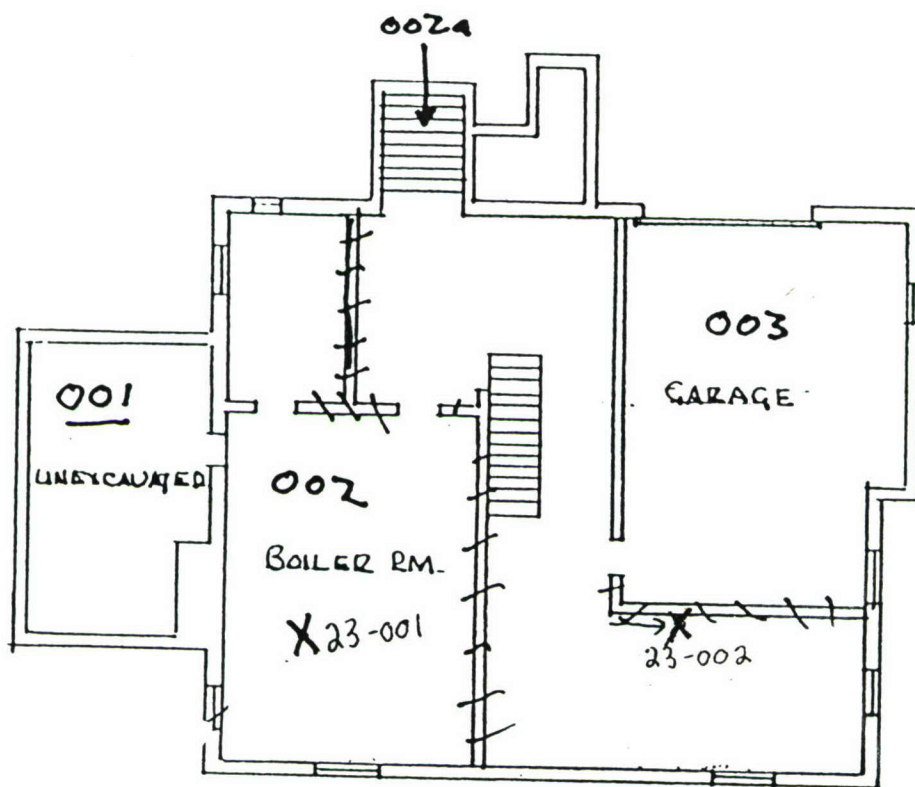
23a = attic



SECOND FLOOR QTRS. 22

SCALE 3/32" = 1'-0"

N ↑



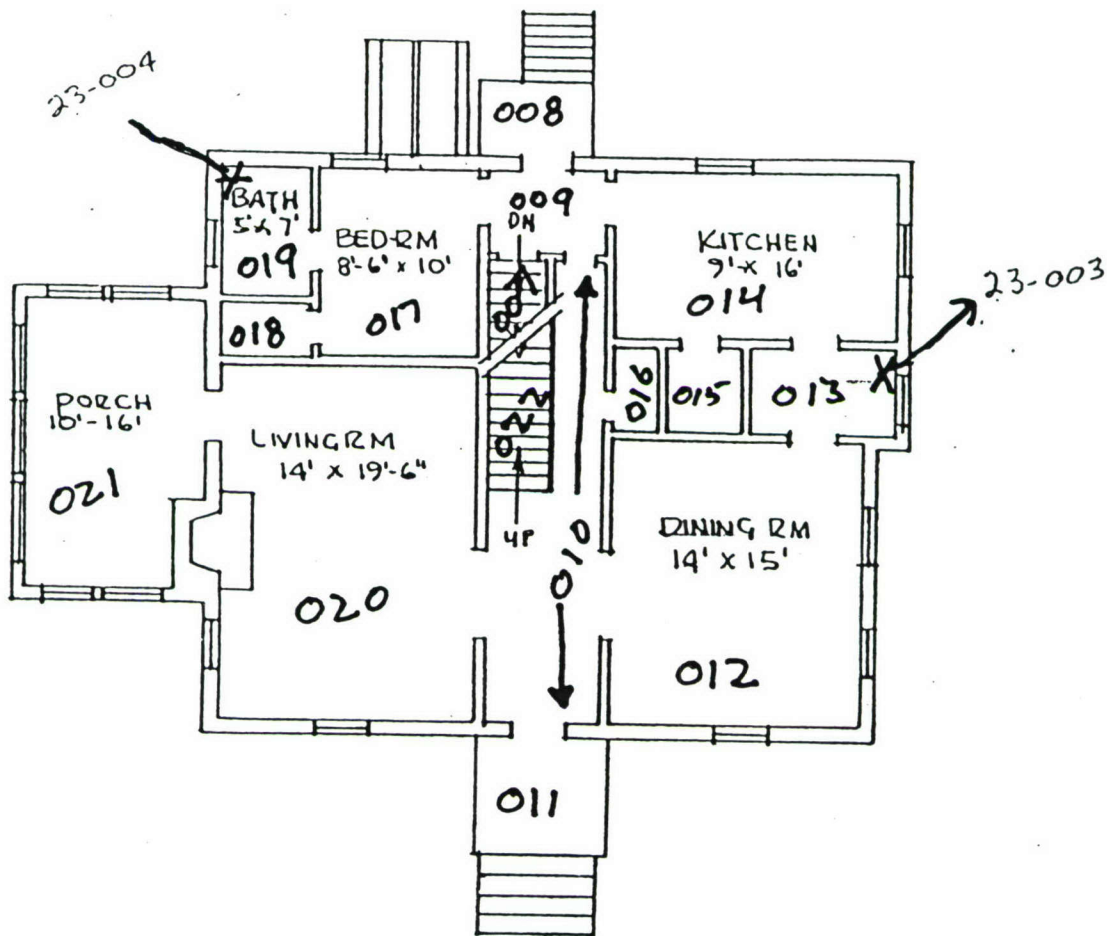
BASEMENT BLDG 23

$\frac{3}{32}'' = 1'-0''$

Sample locations

6-13-91

N ↑



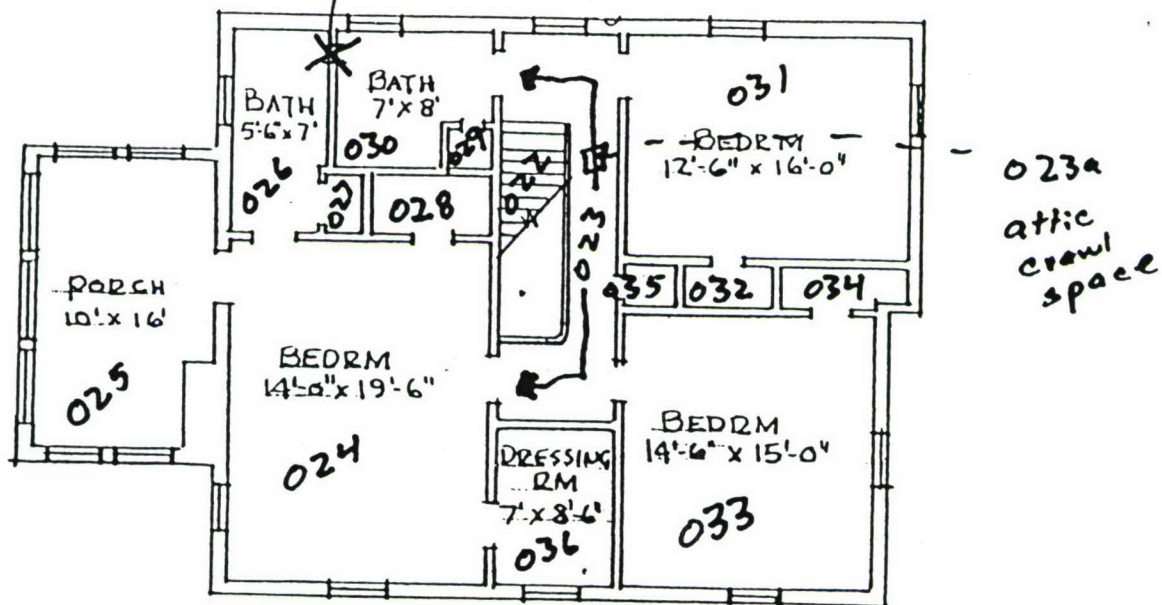
FIRST FLOOR BLDG - 23
 $\frac{3}{32}'' = 1'-0''$

Sample locations

6-13-91

N ↑

Sample # 23-005
23-0

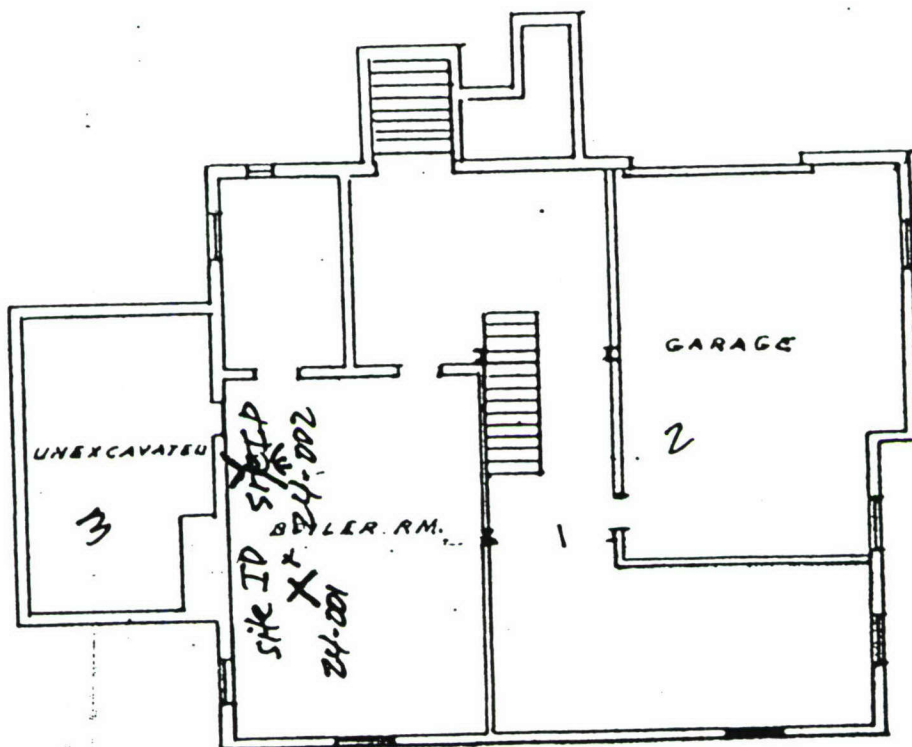


SECOND FLOOR BLDG 23

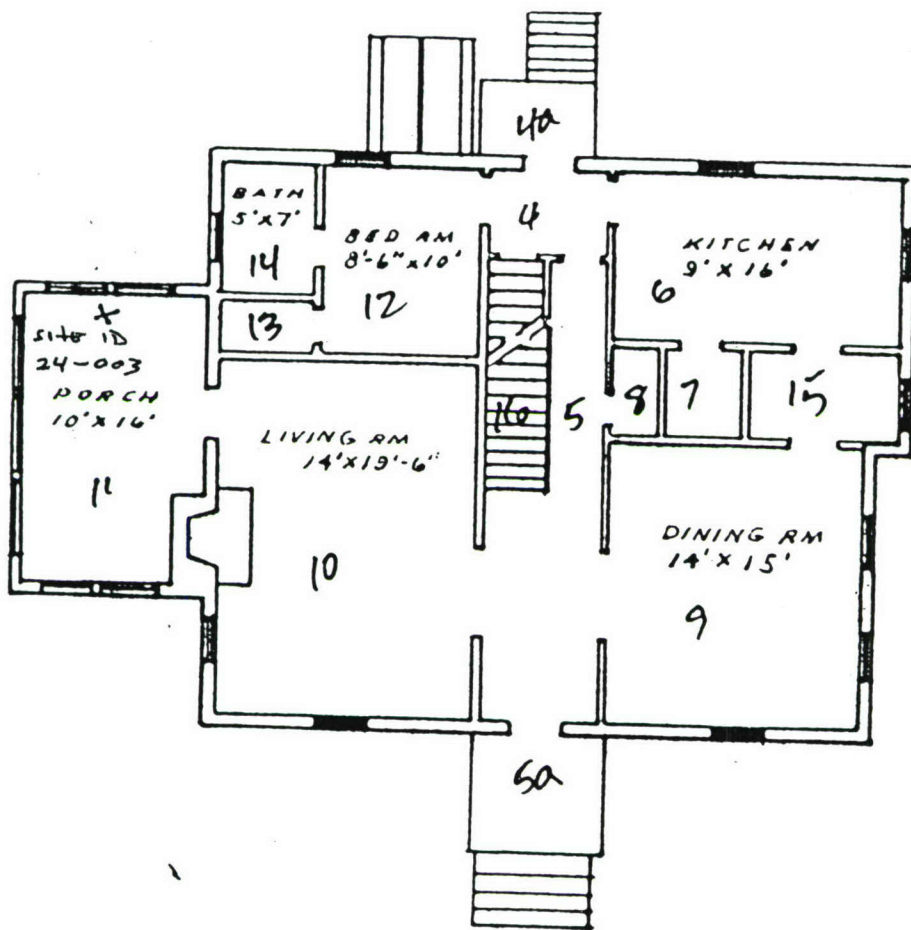
3/32" = 1'-0"

Sample locations

6-13-91



BASEMENT BLDG 24
SCALE 3/32" = 1'-0"



FIRST FLOOR BLDG 24

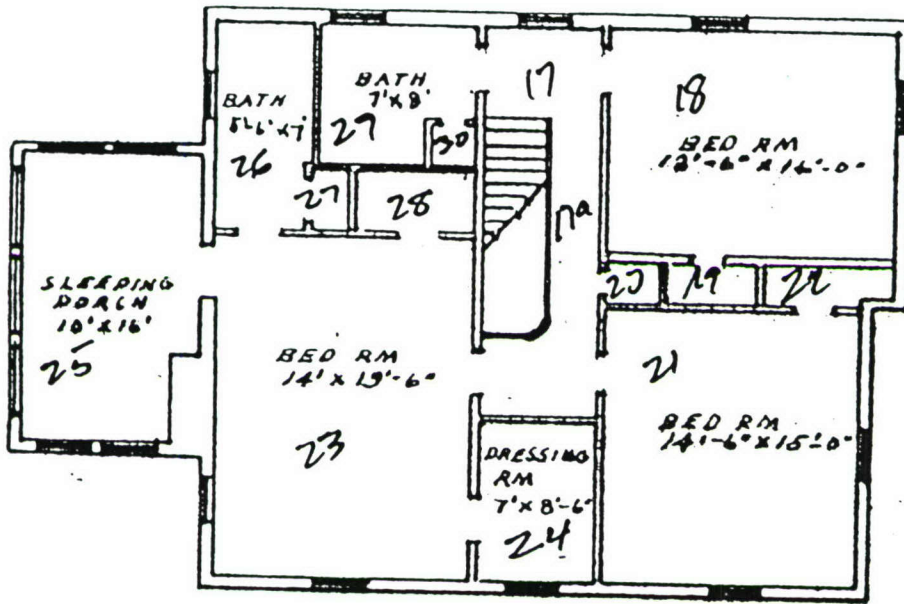
SCALE 3/32" = 1'-0"

2/13

17a-Alle

FP-24-1

343



SECOND FLOOR BLDG 24

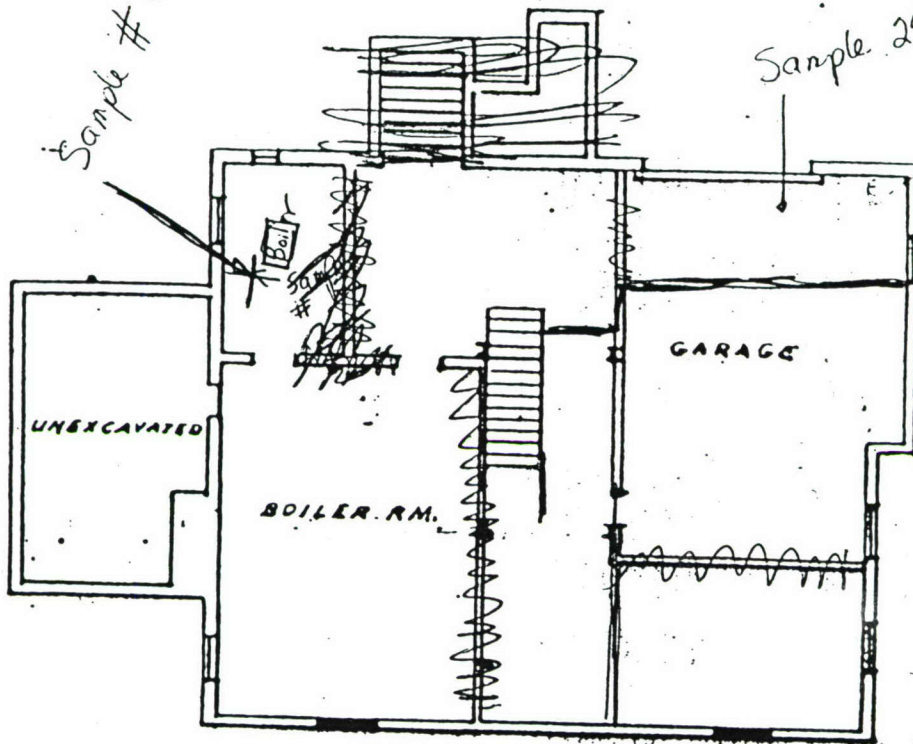
SCALE 3/32" = 1'-0"

SAMPLES TAKEN FROM ROOF AREA:

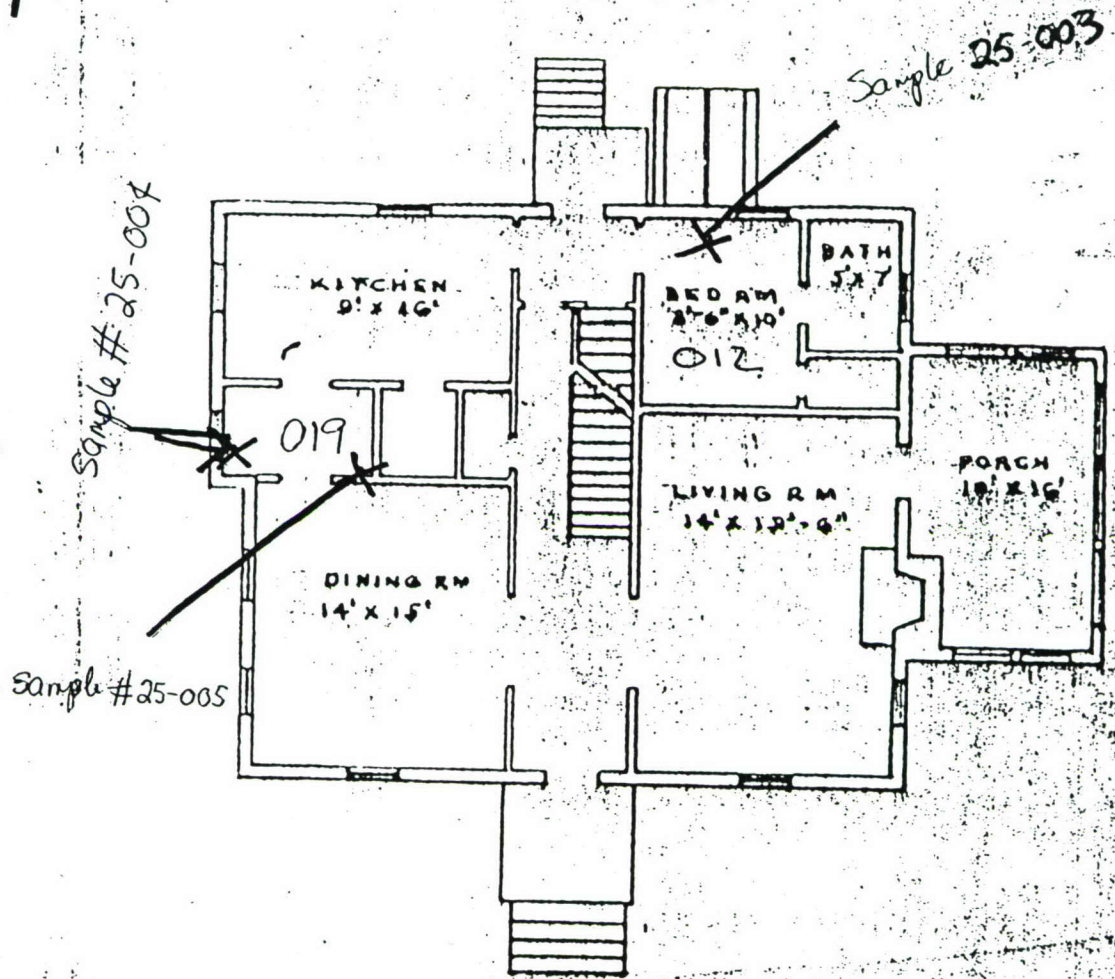
24-004

24-005

24-006



Sample locations

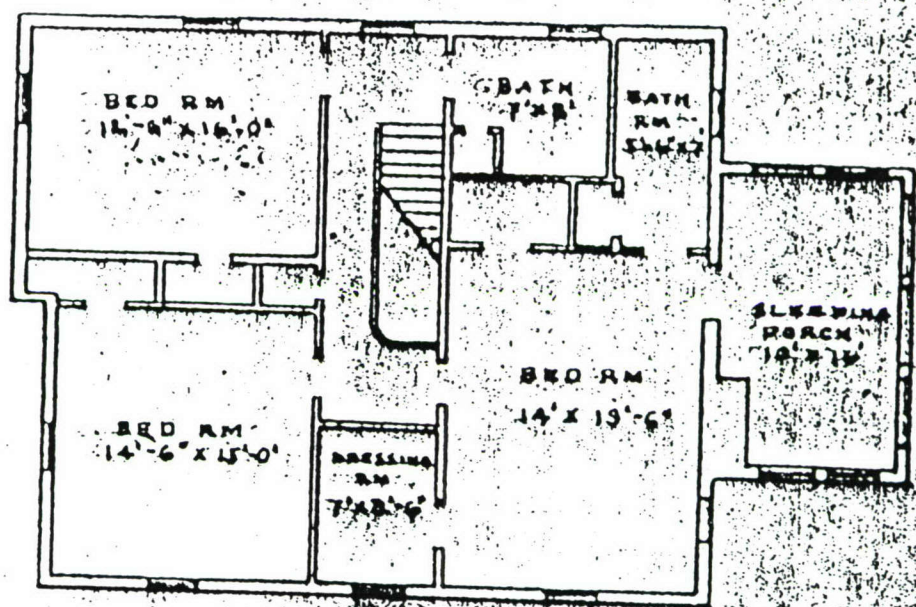


FIRST FLOOR QTRS. 25

SCALE 3/32" = 1'-0"

Sample locations

N ↑

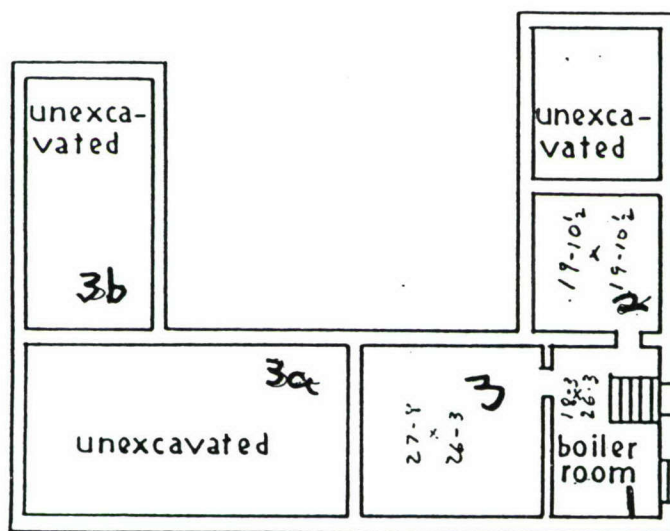


SECOND FLOOR QTRS. 25

SCALE 3/32" = 1'-0"

Sample locations

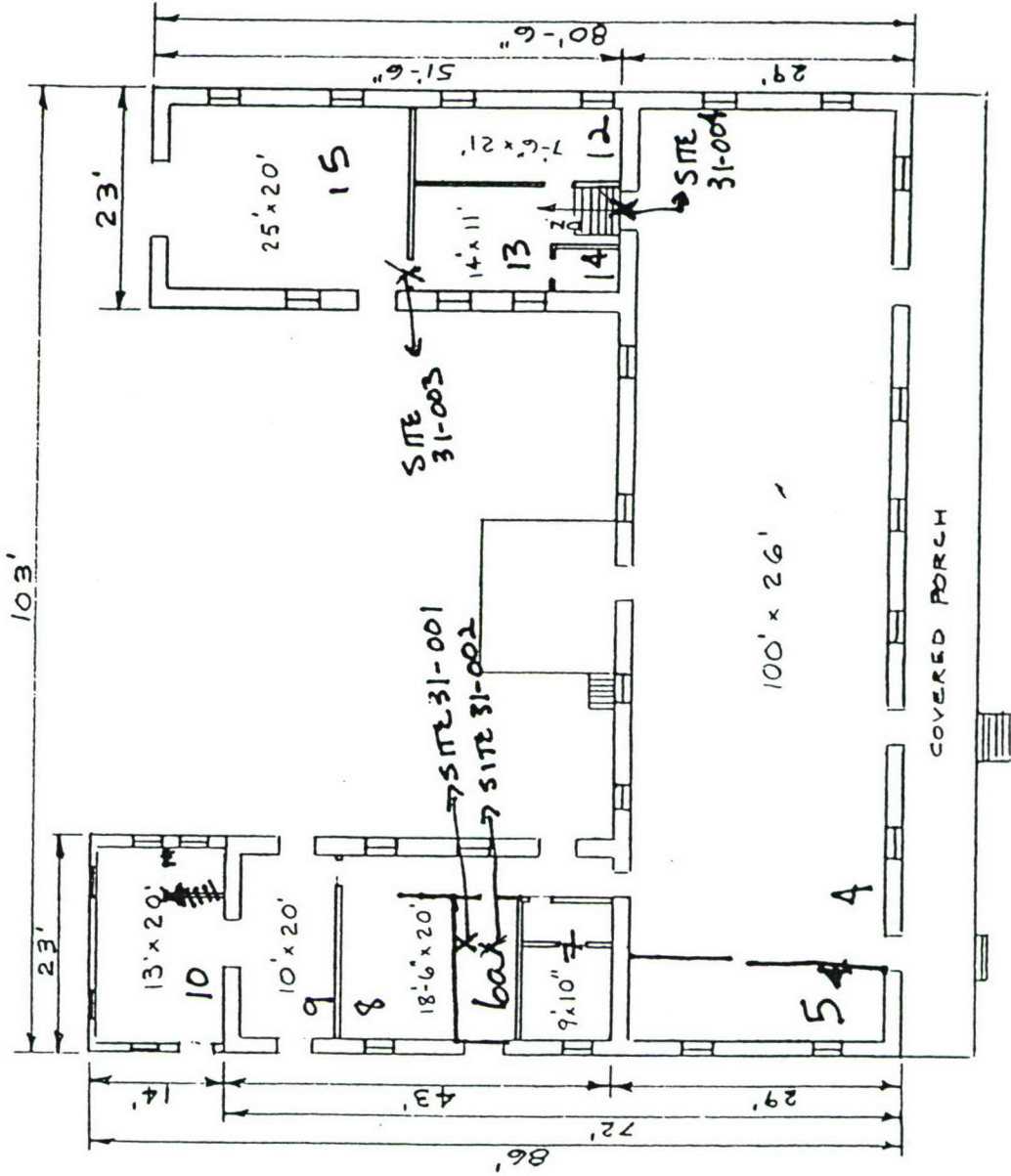
10 JAN 1973



BASEMENT—BLDG-31

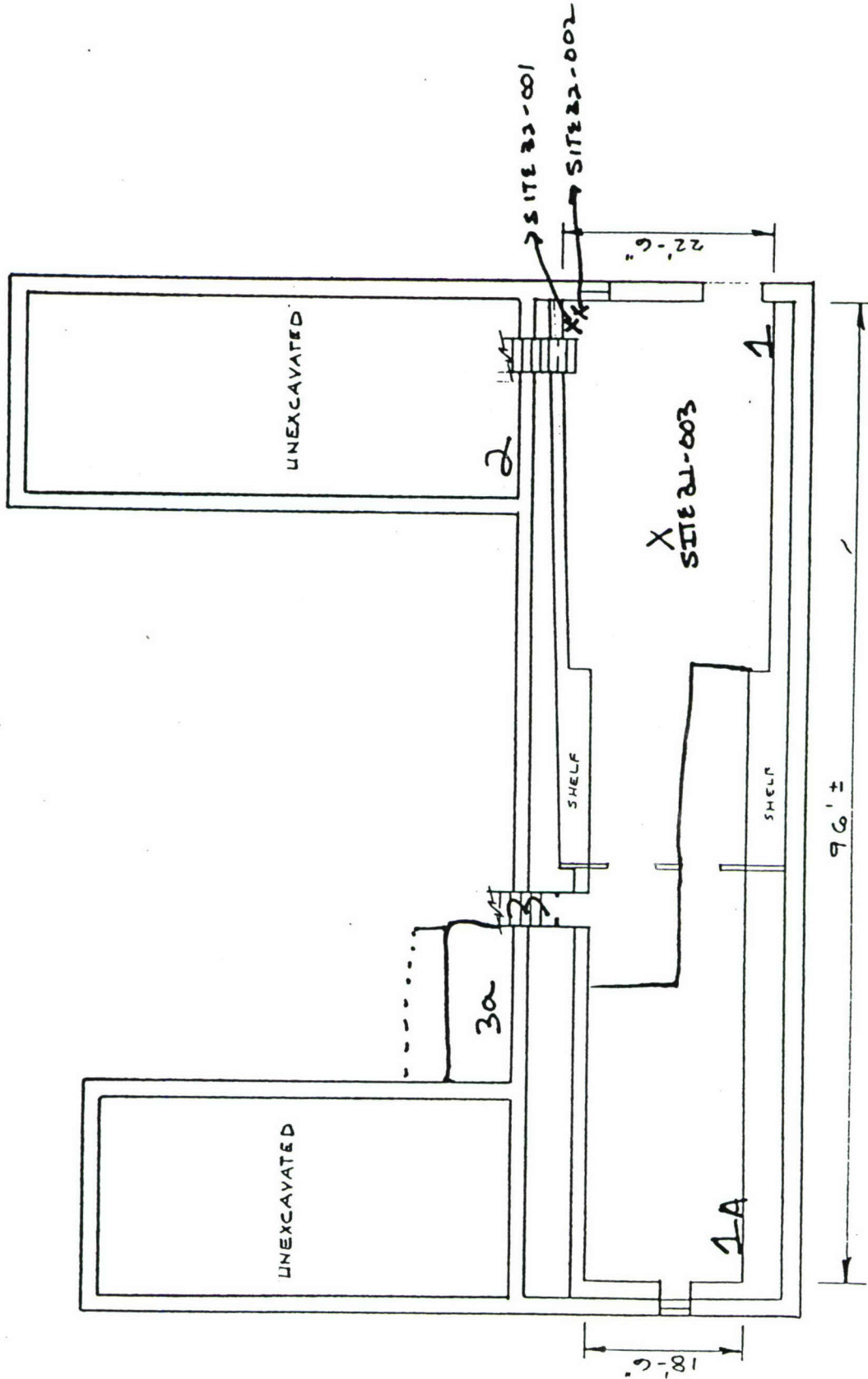
SCALE 1"=30'

/// = walldoes not exist



FIRST FLOOR Bldg 31

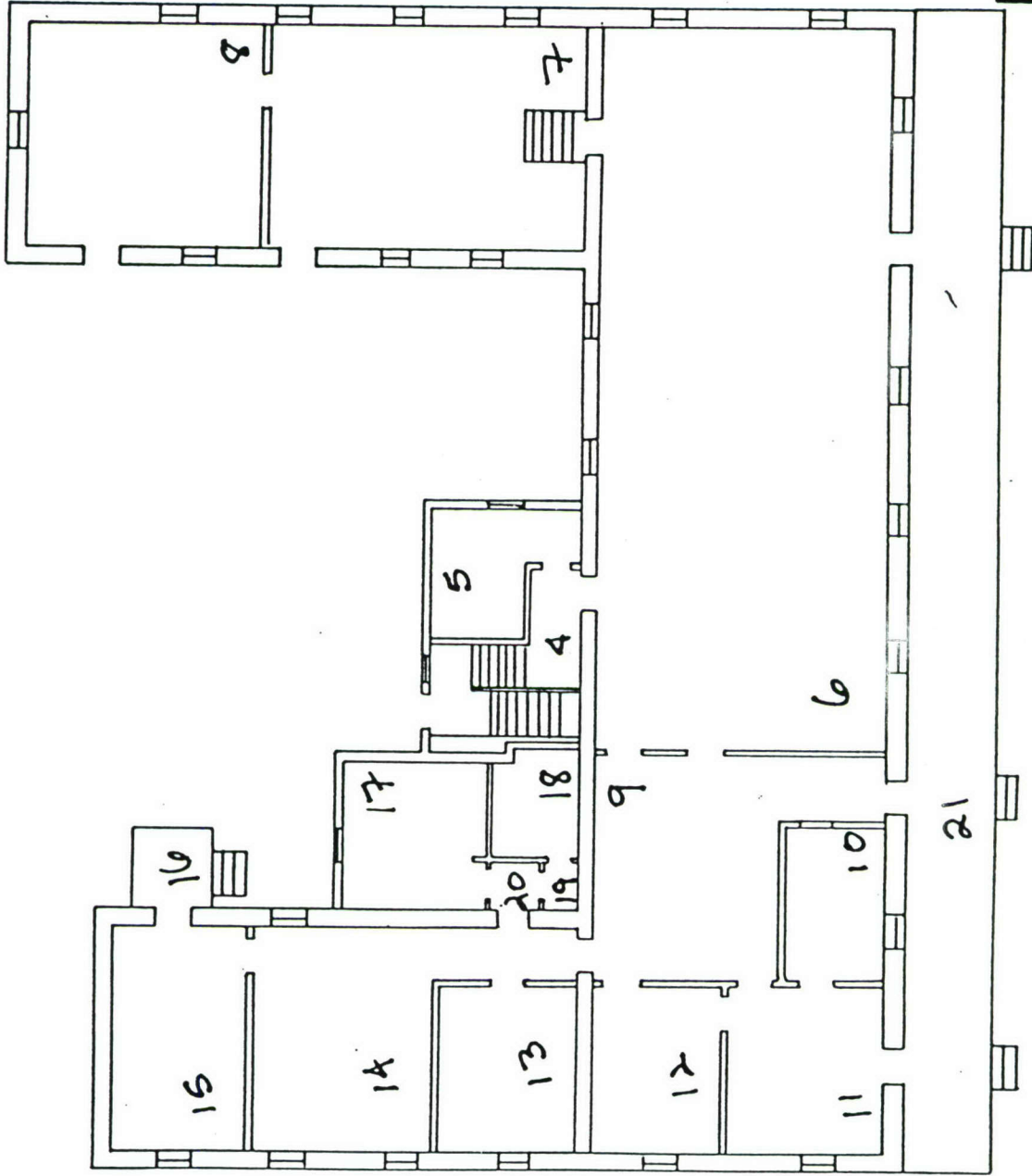
Fort Detrick, MD



BASEMENT BLDG. 32
SCALE 1/16" = 1'

OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH	
BASEMENT FLOOR PLAN BLDG. 32 FORT DOUGLAS, UTAH	
DRAWN T.E.L.	DATE 31 MAY 72
CHECKED	FILE
SCALE 1/16" = 1'	SHEET 2 OF 2

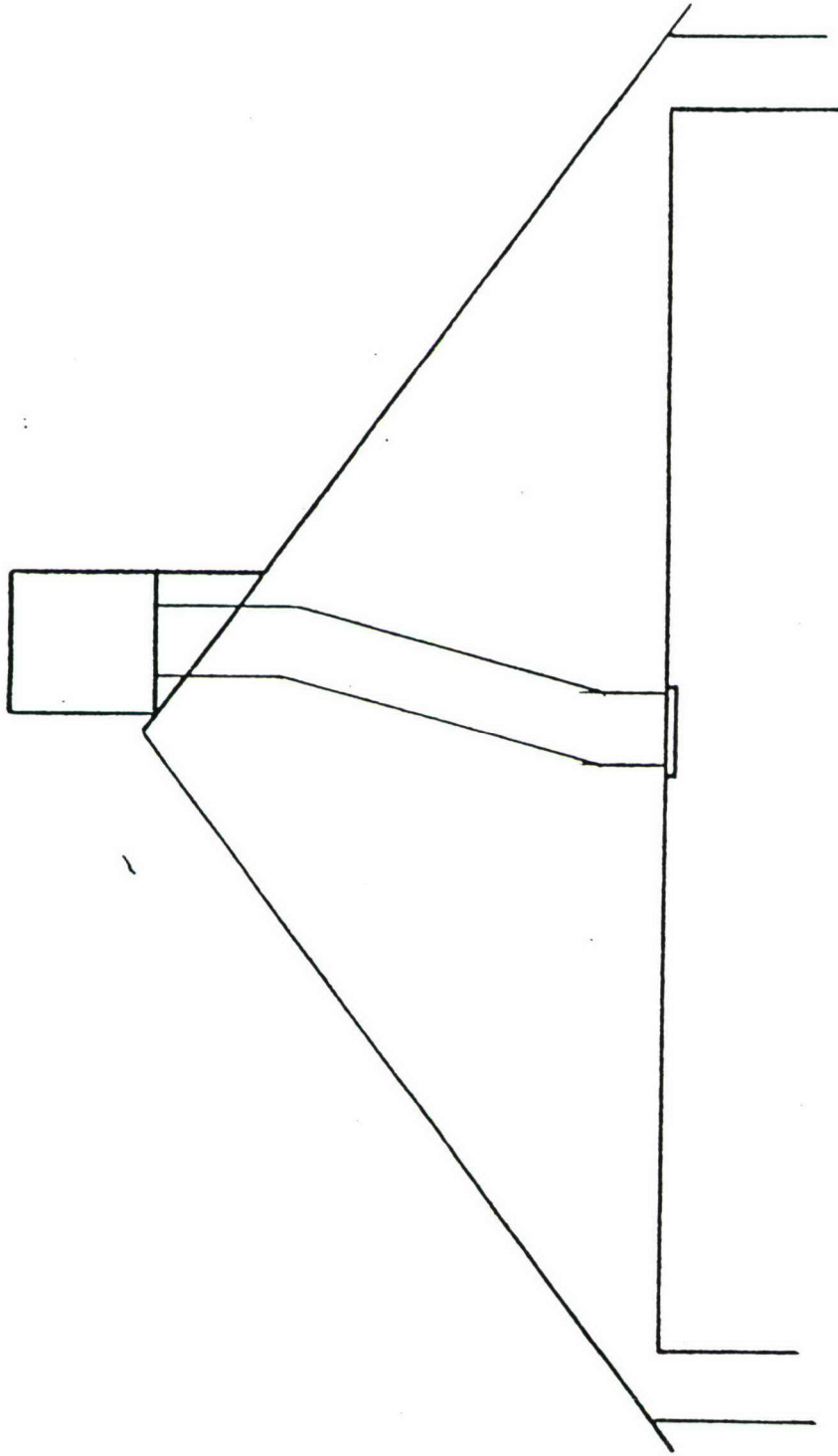
APPROVED



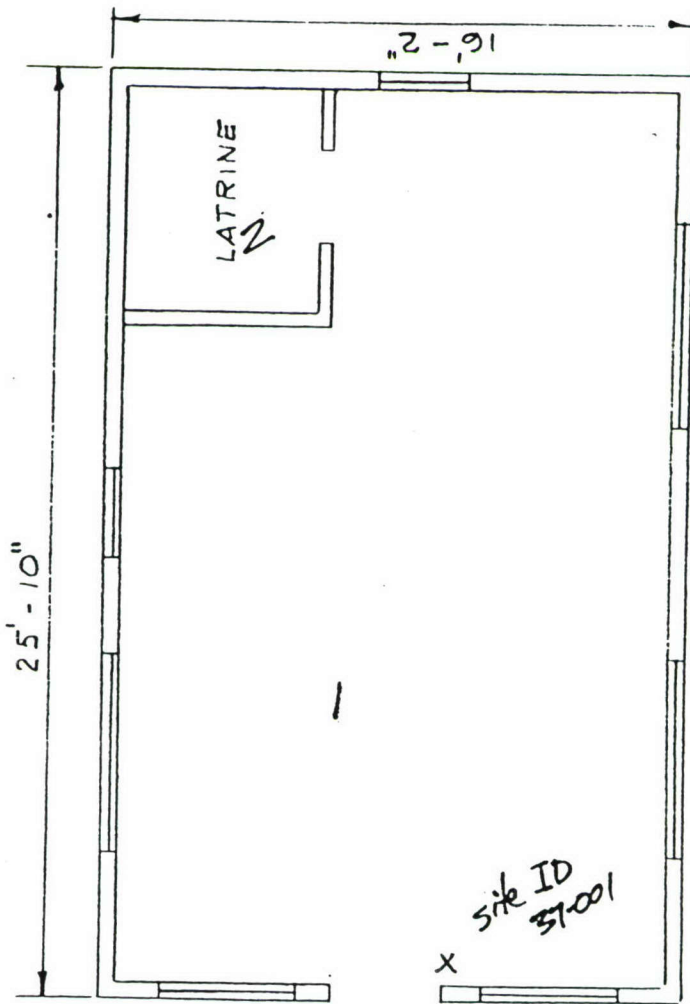
6a = attic

OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH			
BLDG 32		BLDG 32	
DRAWN	DATE	CHECKED	FILE
SCALE	SHEET 32		

APPROVED



OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH	
INSTALLATION OF AIR CONDITIONER BLDG. 32 FORT DOUGLAS UT.	
DRAWN TEL	DATE AUG 76
SCALE 1" = 1'	CHECKED FILE

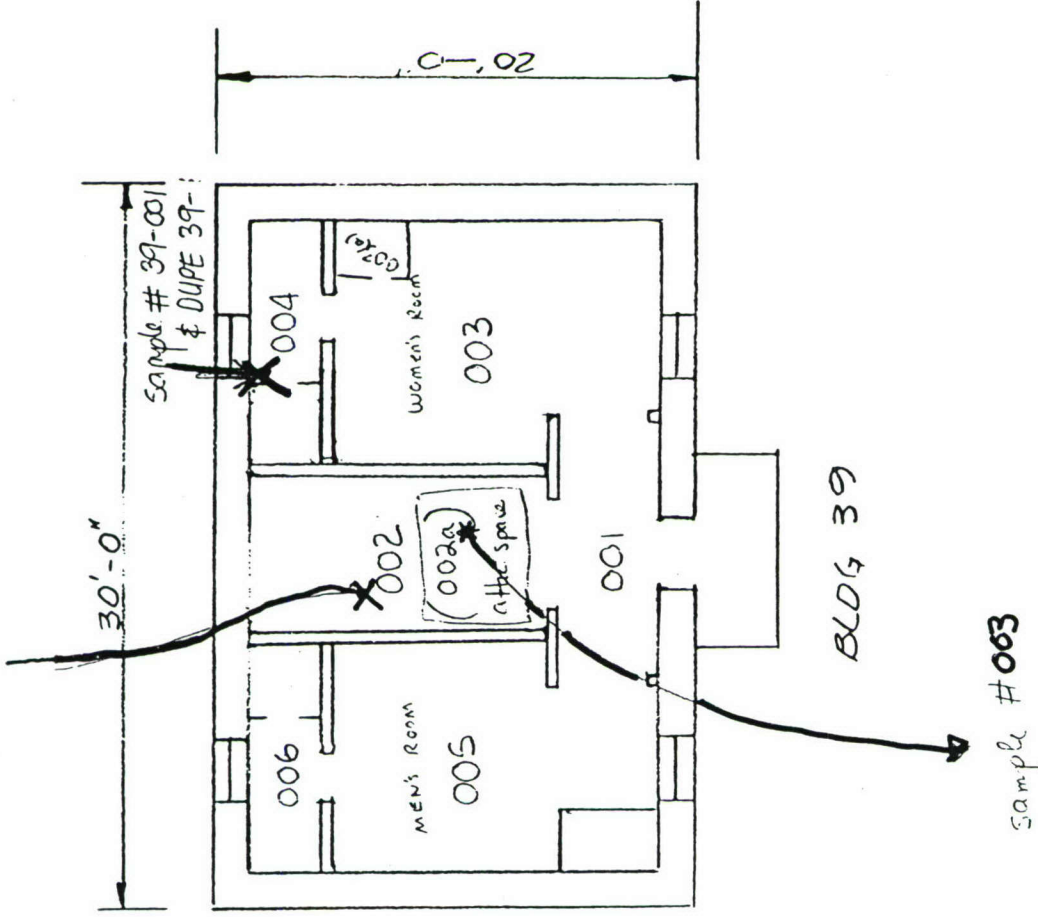


Attic 2a

ADM. BLDG' S-37

SCALE 3/16" = 1'-0"

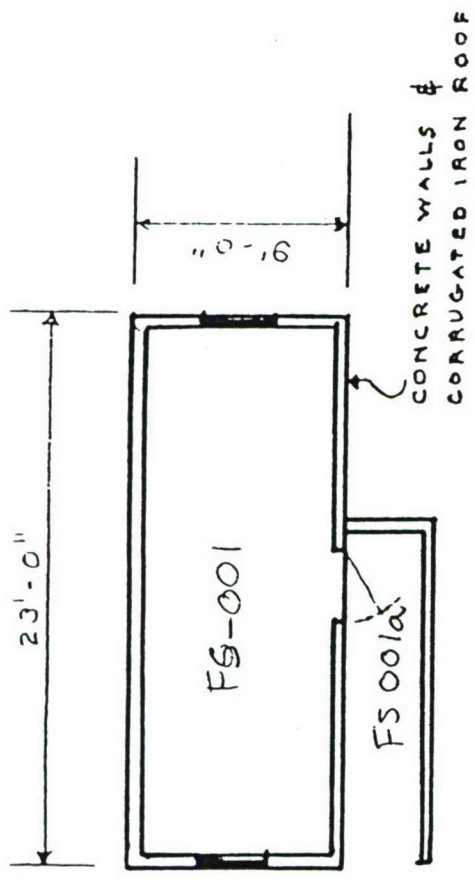
sample 39-002



OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH			
DRAWN	DATE	CHECKED	
SCALE	SHEET	FILE	

Rev 4-28-89 236

APPROVED



BLDG. 41

--- SCALE 1/8" = 1'-0"

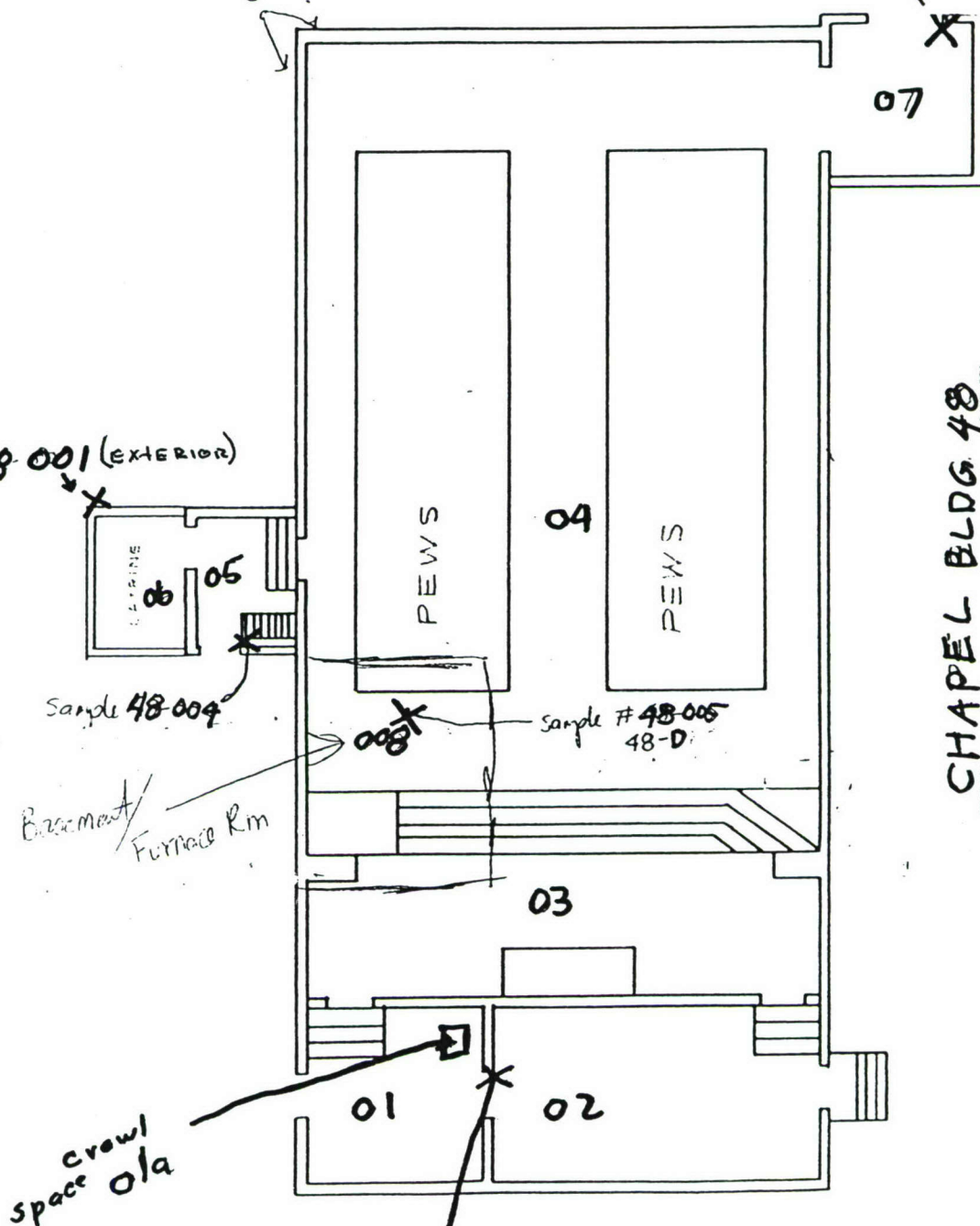
10 JAN 1973



* EXTERIOR OF BLDG
Is Designated as FS-009

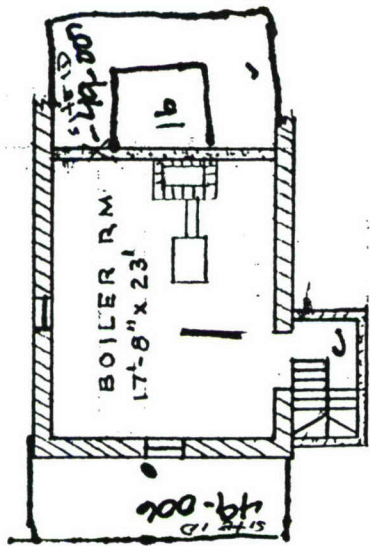
sample
48-002

sample 48-001 (EXTERIOR)



CHAPEL BLDG 48

SCALE 3/32" = 1'

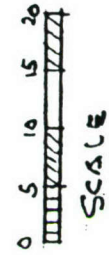
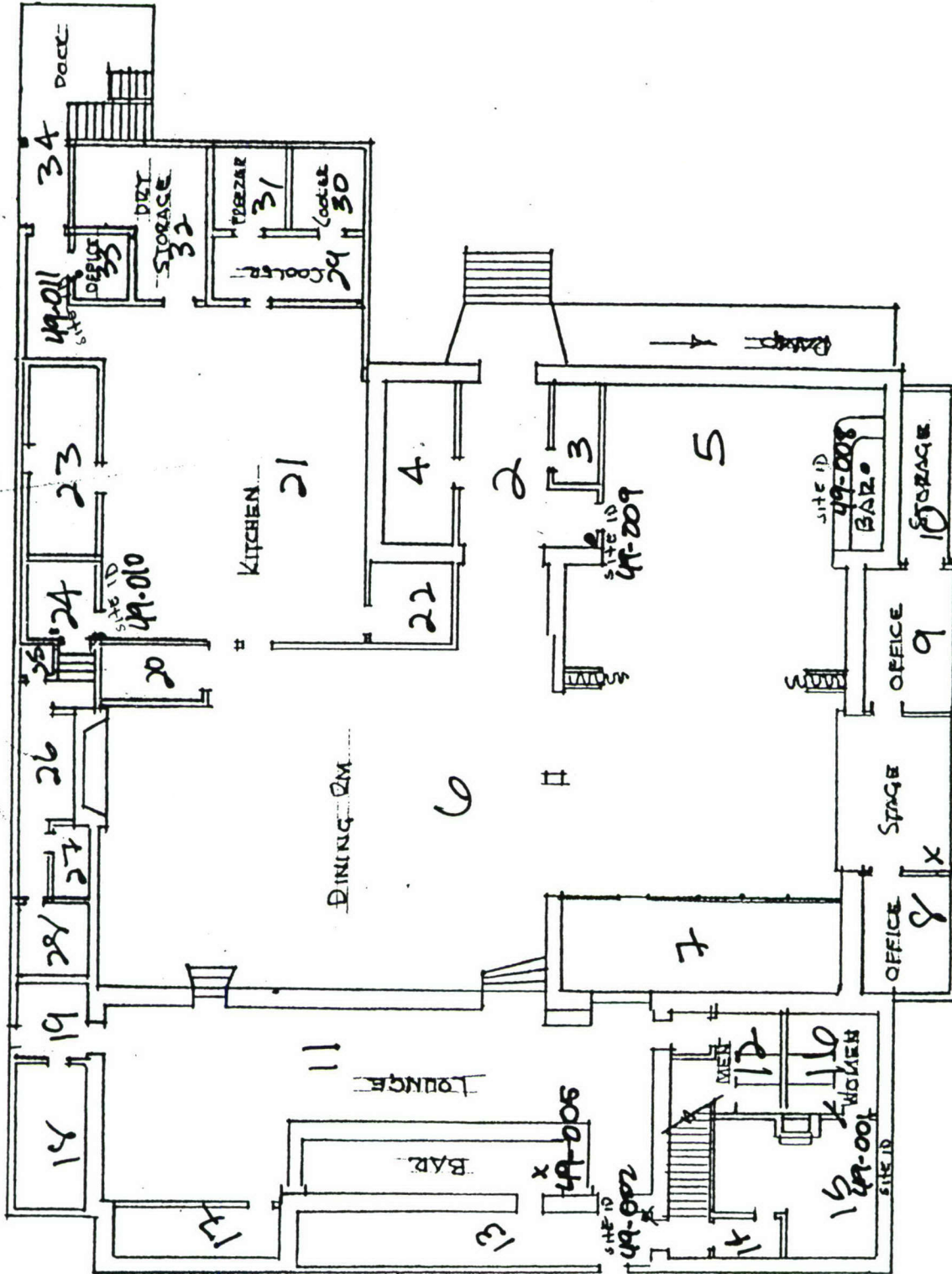


BASEMENT BLDG. 49

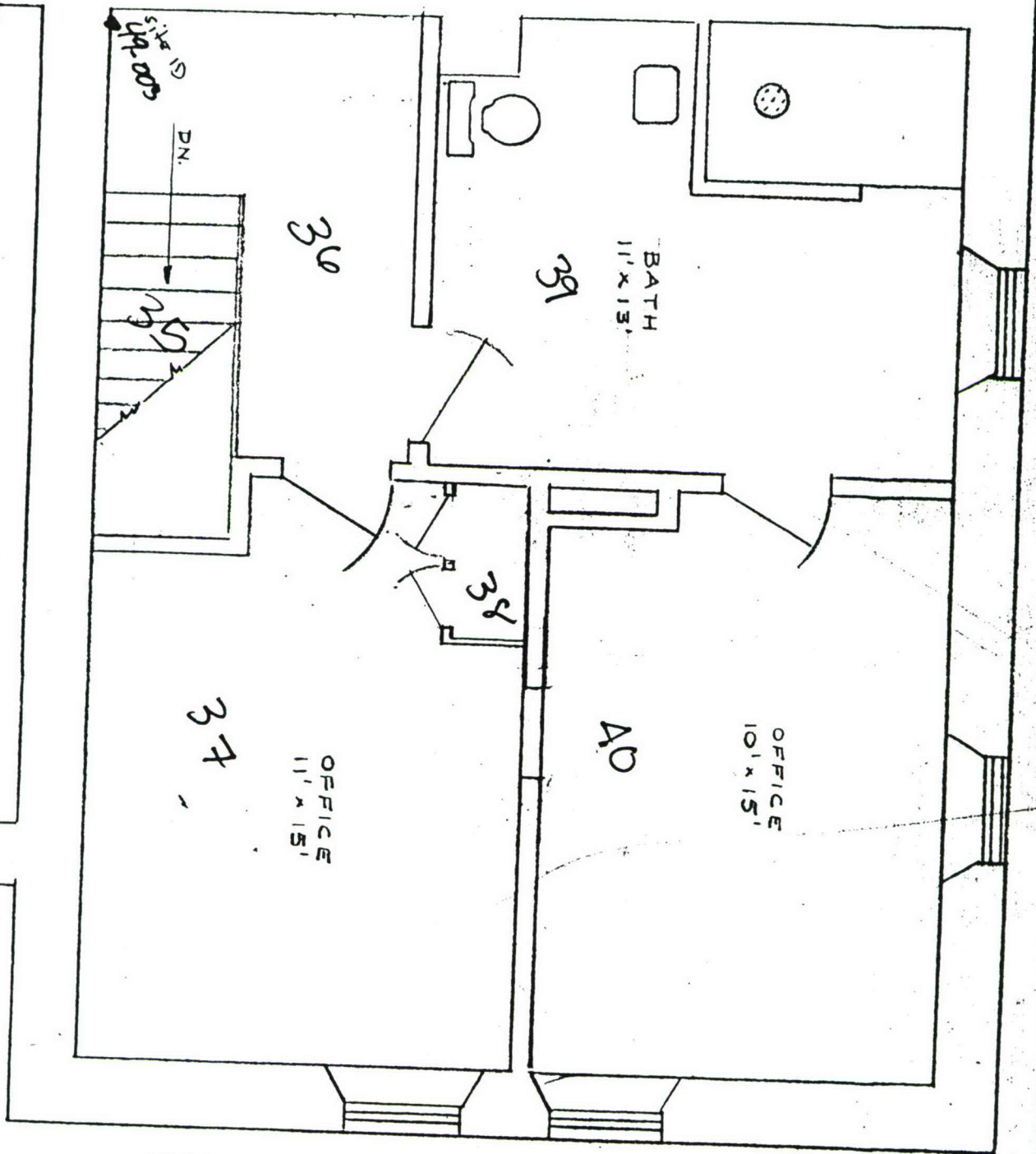
SCALE 1/16" = 1'-0"

10 JAN 1973

1-3



MILITARY CLUB
BLDG 49



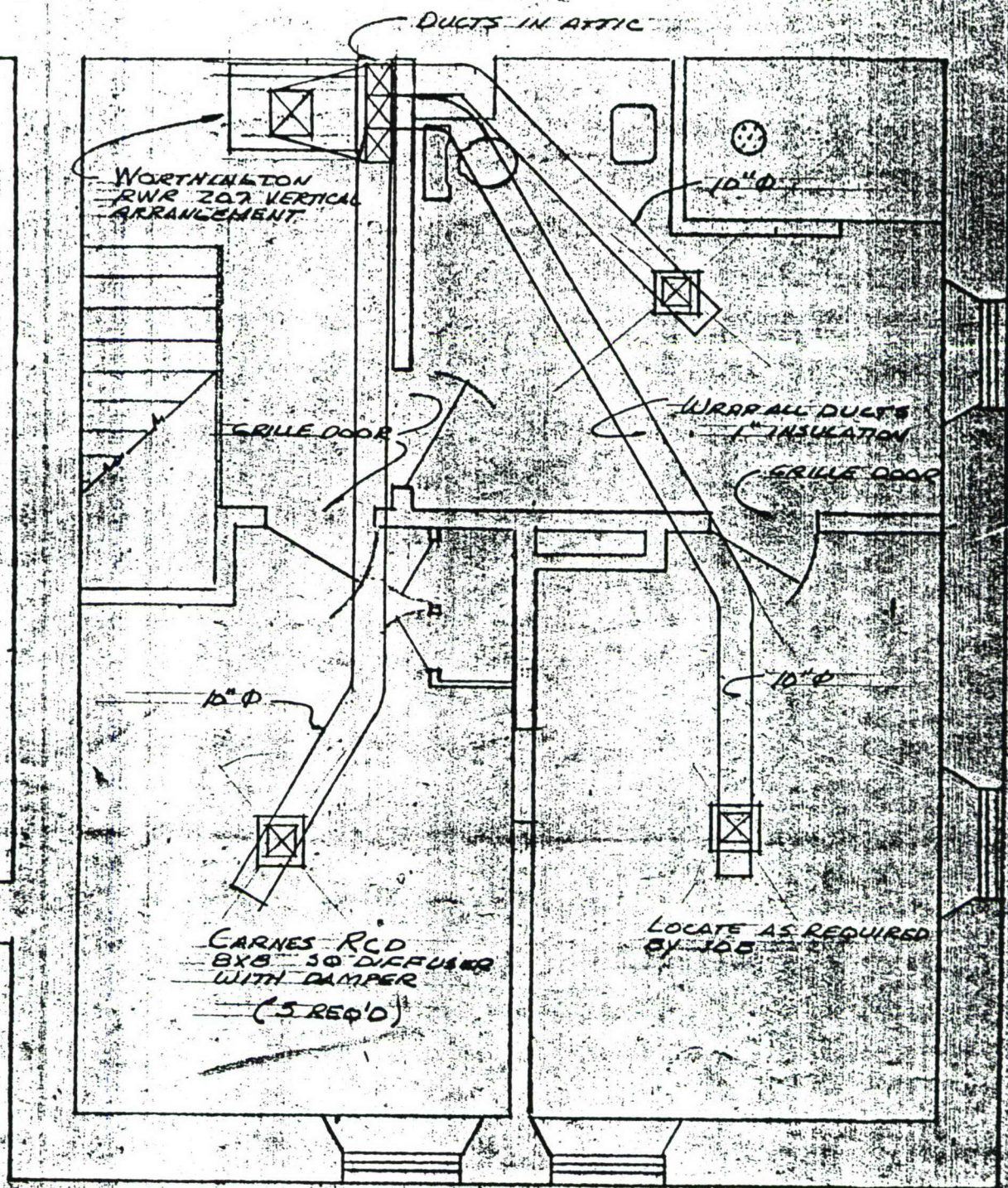
SECOND FLOOR PLAN BLDG. 49
 SCALE 1/4" = 1'-0"

ATTIC = 35a

NORTH →

10 JAN 1973

3-3
 47



SECOND FLOOR PLAN BLDG. 49

SCALE 1/4" = 1'-0"

AIR CONDITIONING OFFICERS
QUARTERS

2 July 1958

03 04/51/10/10
an conditioner outlets -

1 in room

Suspended lighting - 100mb - 8
(2 rows of track lighting)

2 lights = 8

1 light = 10

2 lights = 9

lights = 18

B1Df 50 - garage

two samples taken - both externally
50-001 = transition shingles on sides

of garage

50-002 = cutting under north
bracket

internal of garage is all
wood - no walls, ceiling etc.

50-001/50-002

03

RPN 06/15/41

41

03

RPN 06/15/41

42

BUG 51 GARAGE

harpers

Sample #

functional
spacetransit 5004² 51-001
shingles

2

Felling 5004² 51-002

2

wire wrap

(

Both samples taken externally

BUG 69 GARAGE

home

Sample #

CS

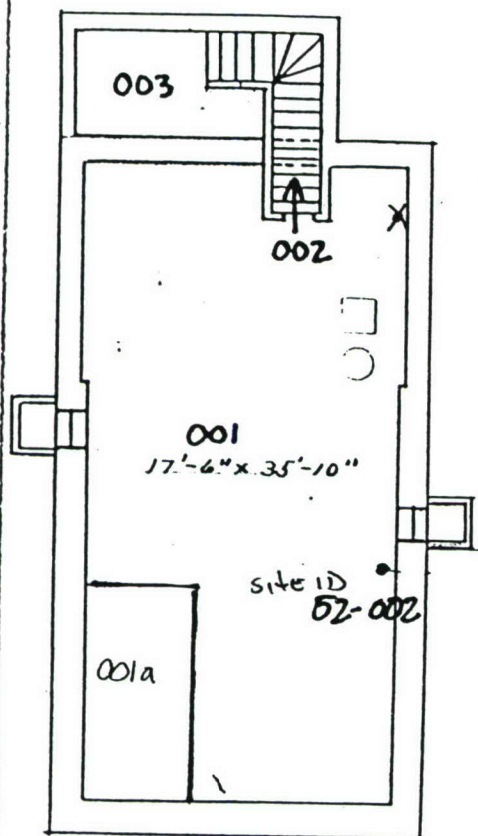
transit shingles 69-001
w 6205²

1

Felling 69-002
w 6205²

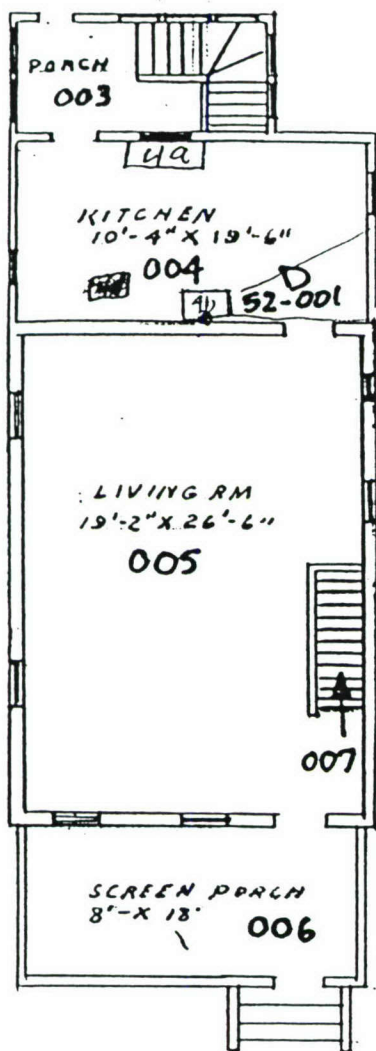
1

Samples taken externally



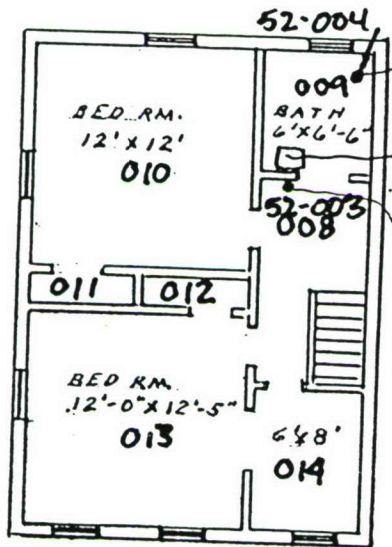
BASEMENT BLDG 52

SCALE $\frac{3}{32}" = 1'-0"$

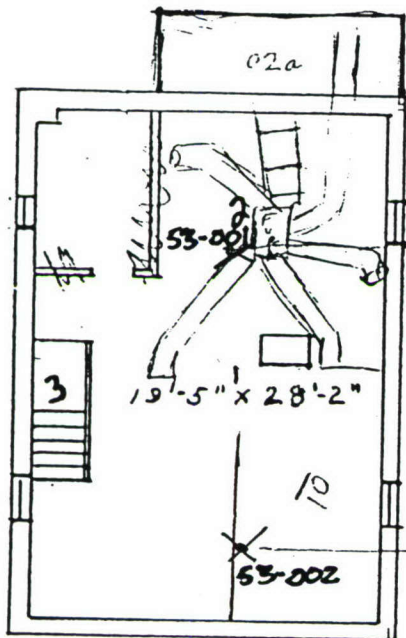


FIRST FLOOR BLDG 52

SCALE 3/32" = 1'-0"

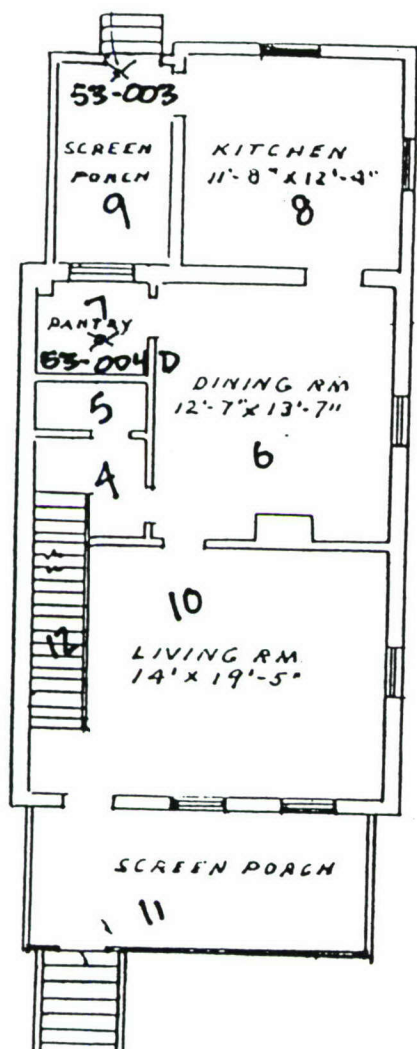


SECOND FLOOR BLDG. 52
SCALE 3/32" = 1'-0"

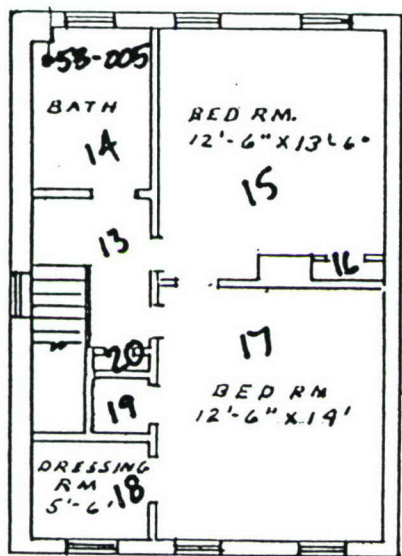


BASEMENT BLDG. 53

SCALE $\frac{3}{32}'' = 1'-0''$



FIRST FLOOR BLDG. 53
SCALE 3/32" = 1'-0"

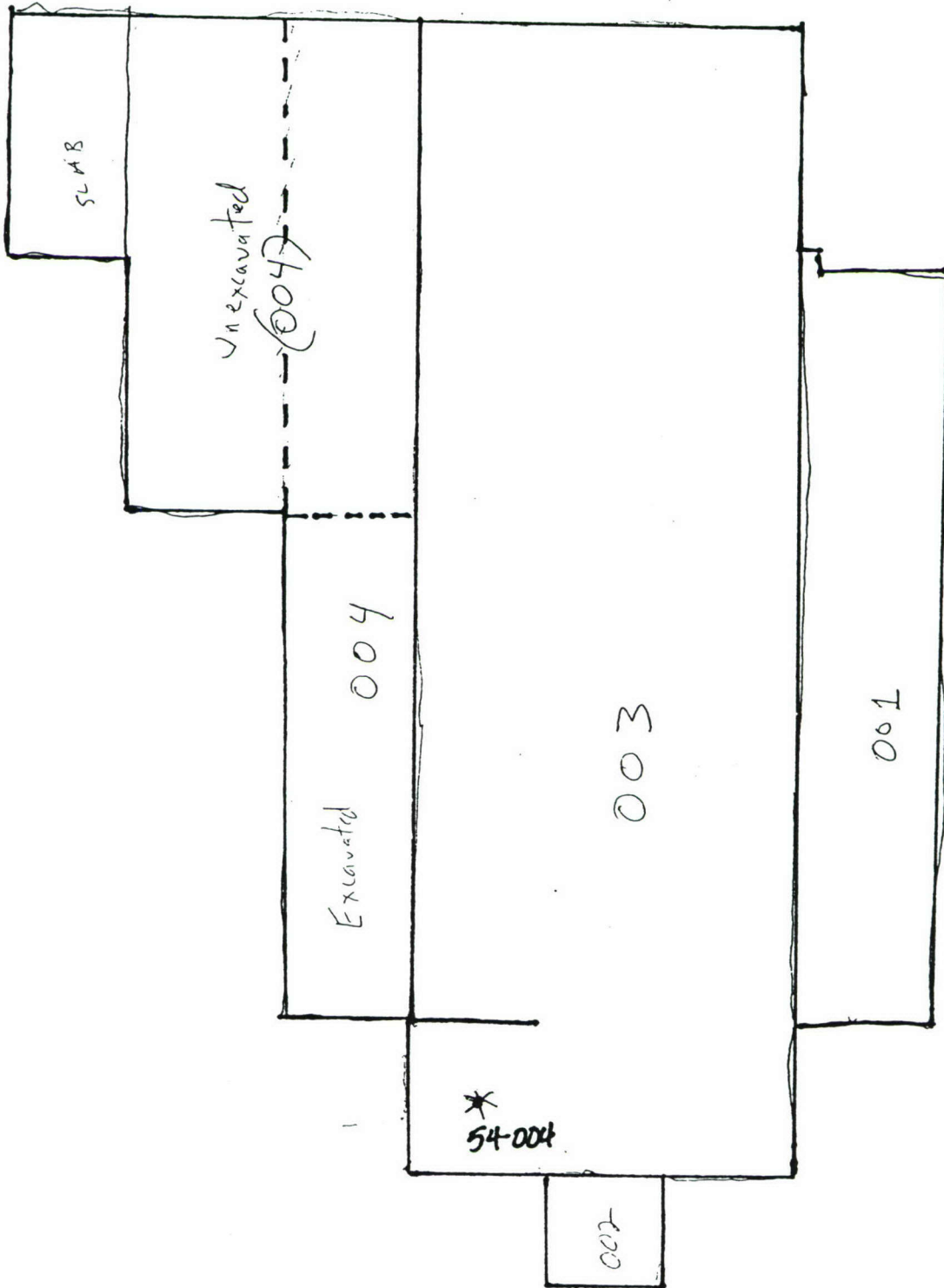


SECOND FLOOR BLDG. 53
SCALE $\frac{3}{32}'' = 1'-0''$

NO MAP AT Directorate
of Engineering AND Housing

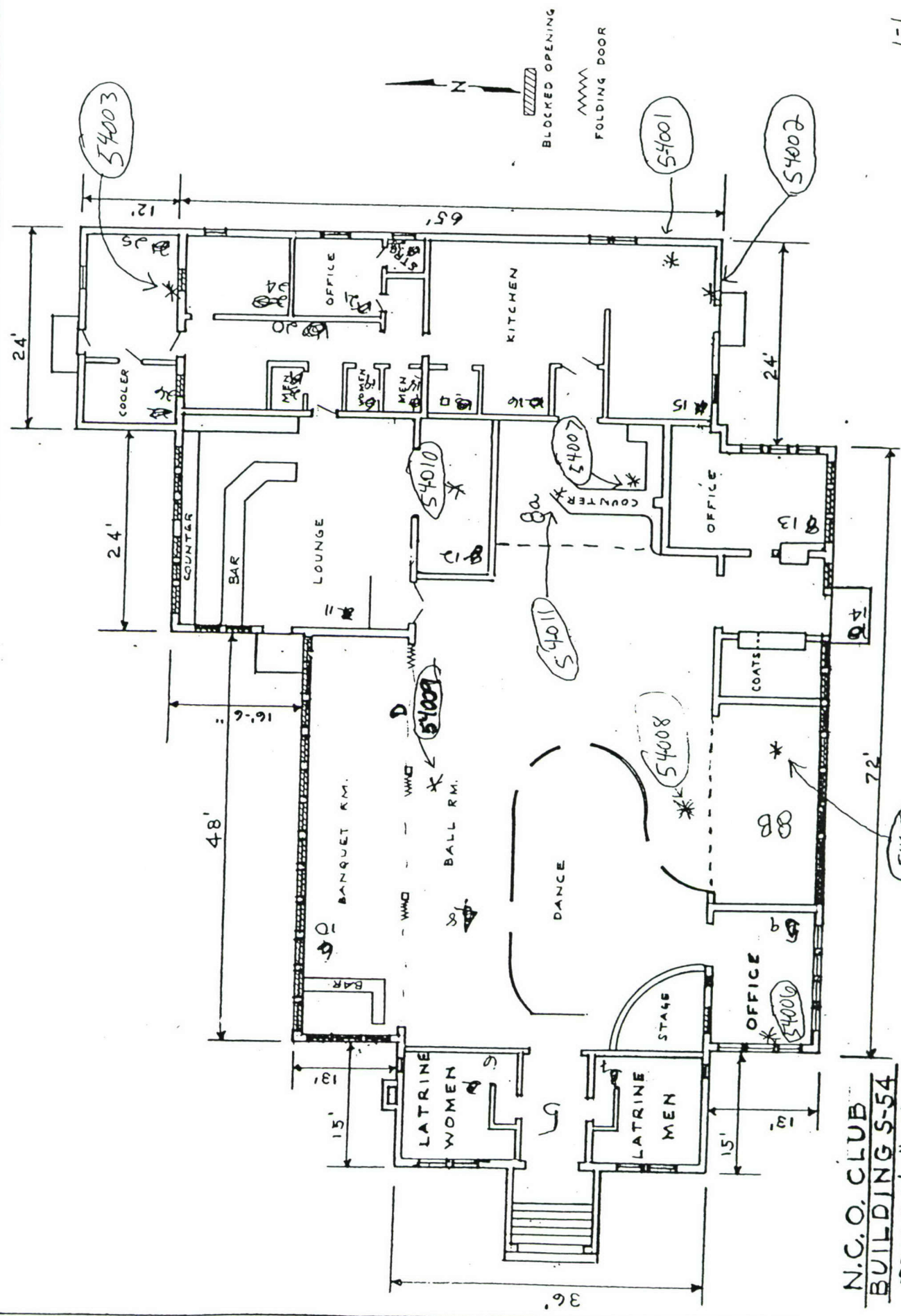


BUILDING 54



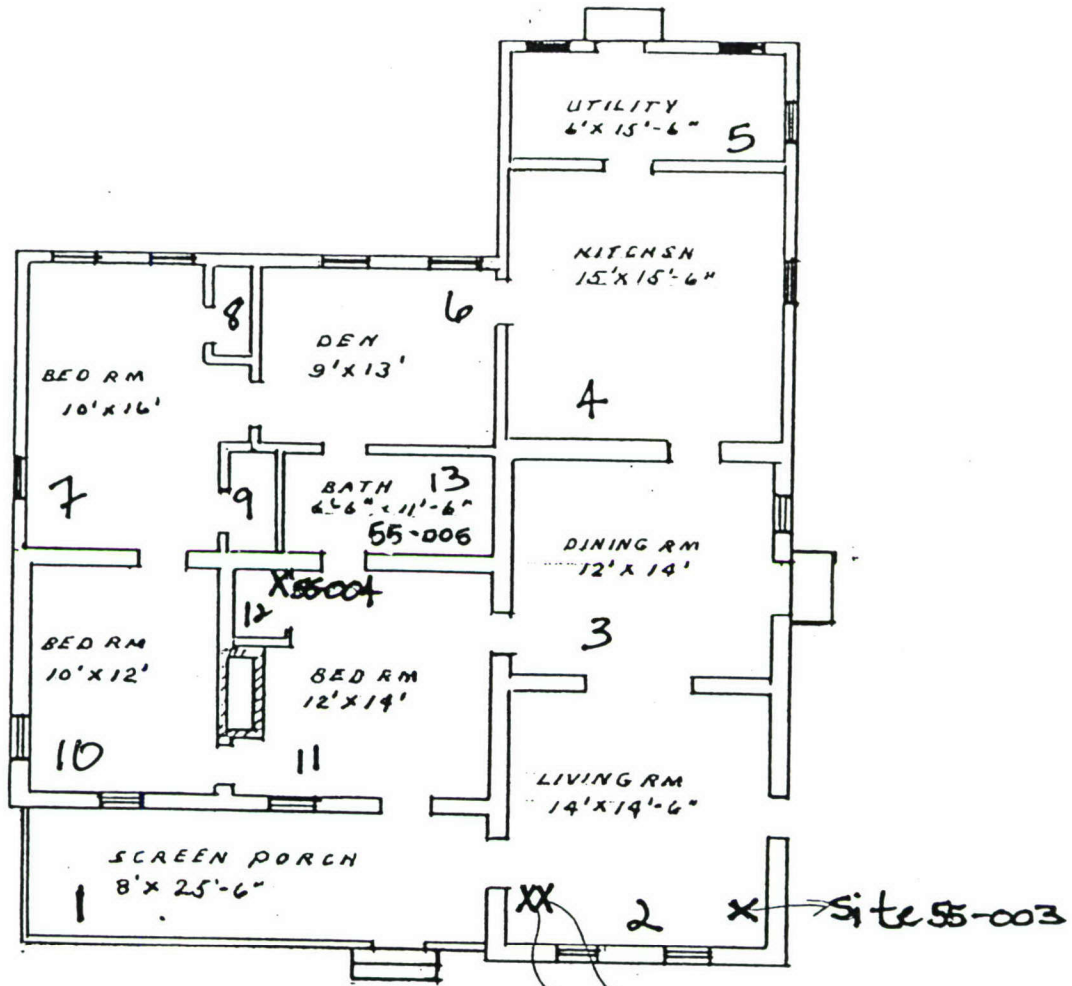
Crawl Spaces beneath 1st Floor and Boiler Room

10 JAN 1973



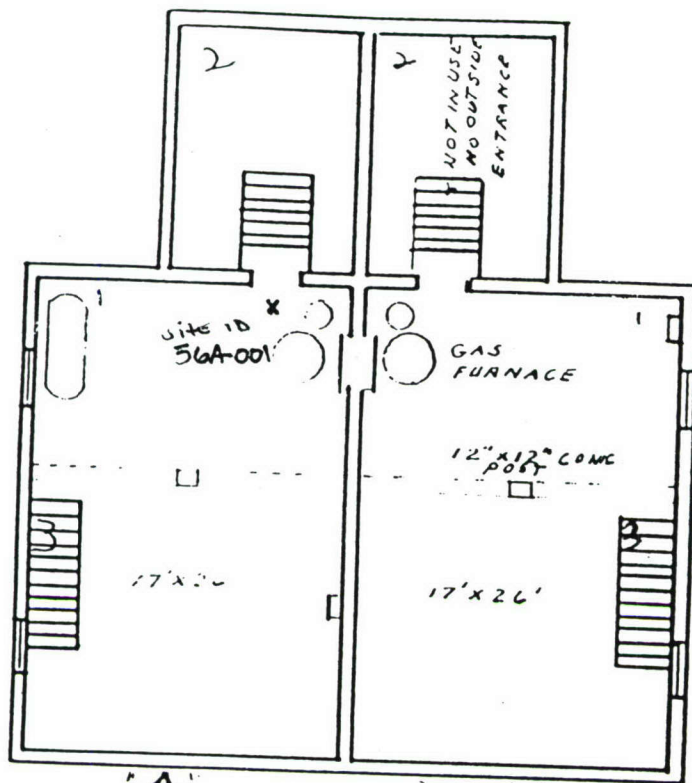
N.C.O. CLUB
BUILDING S-54
SCALE 1/16" = 1'-0"

10 JAN 1973



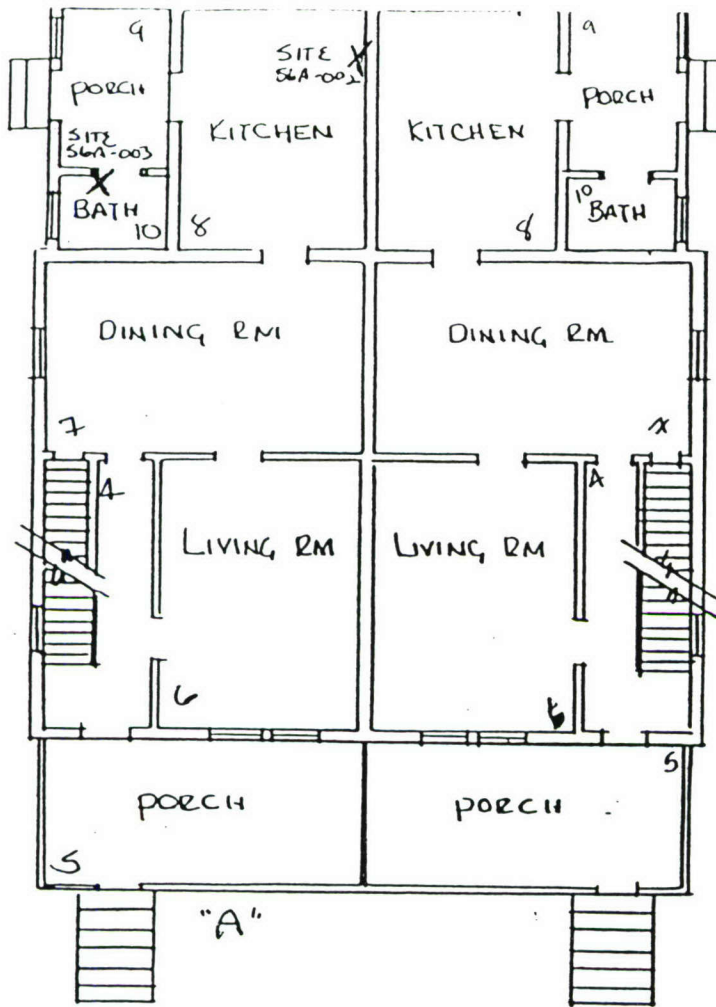
FLOOR PLAN BLDG. 55

SCALE 3/32" = 1'-0"



'A'
BASEMENT 56 A-
 SCALE $\frac{3}{32}" = 1'-0"$

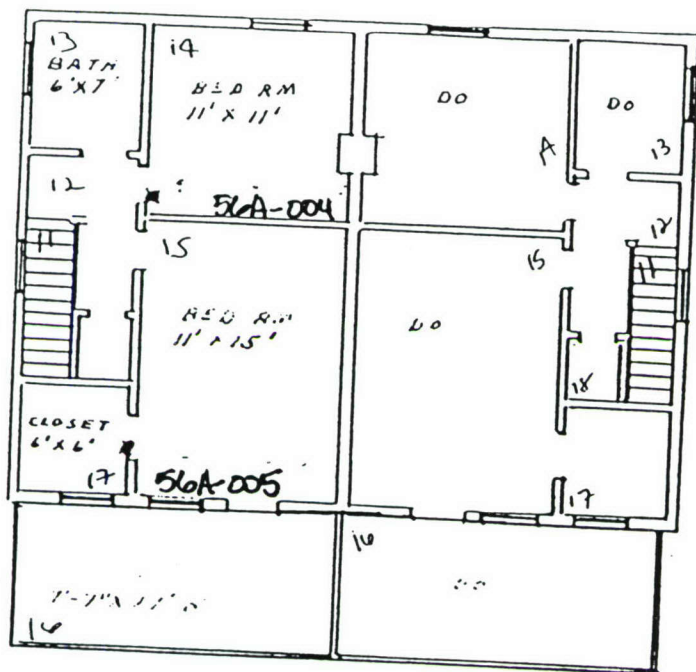
56 A



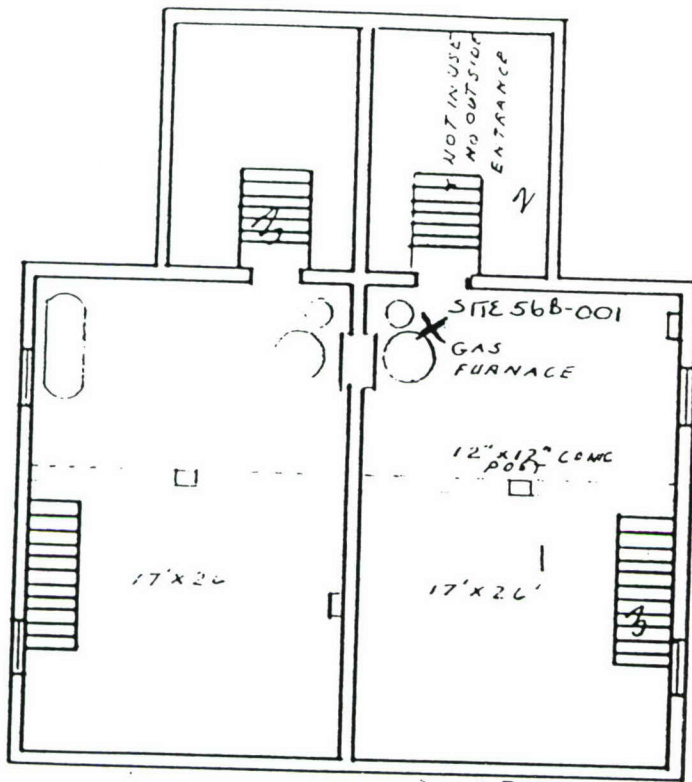
FIRST FLOOR BLDG 56 A

SCALE $\frac{3}{32}'' = 1'-0''$

←
N



SECOND FLOOR BLDG 56-A-
SCALE 3/32" = 1'-0"

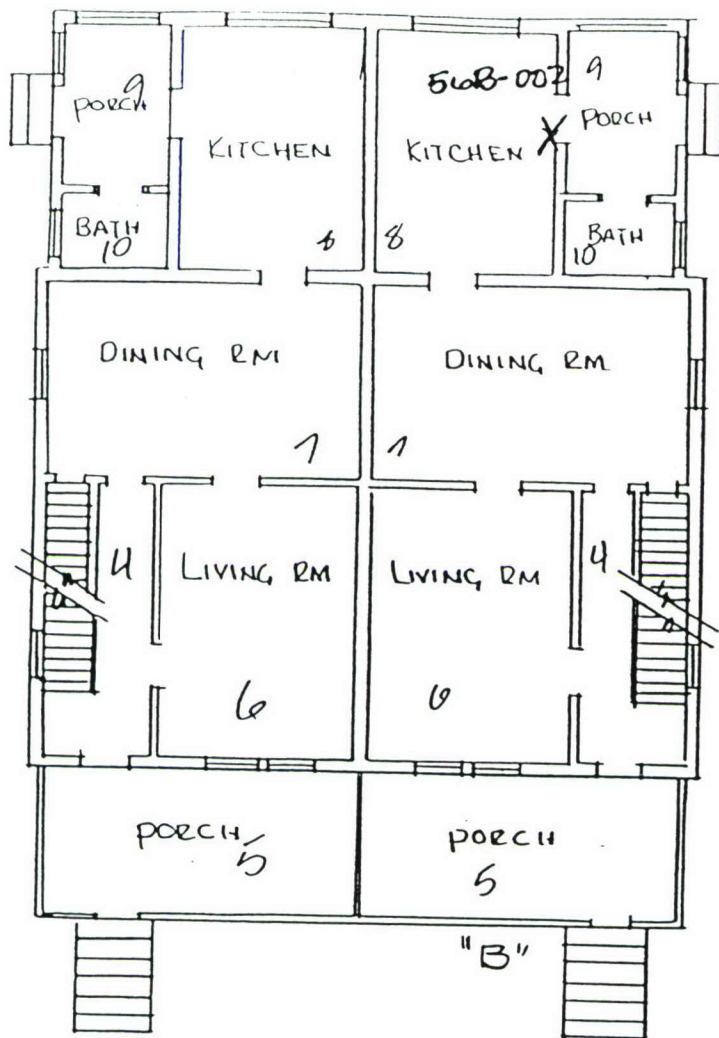


BASEMENT 56

B

SCALE $\frac{3}{32}'' = 1'-0''$

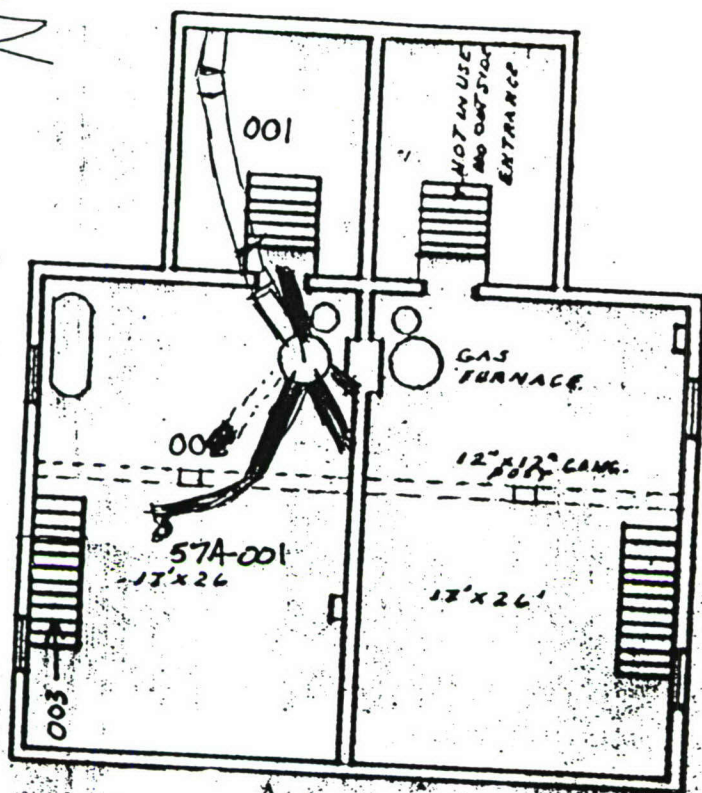
56B



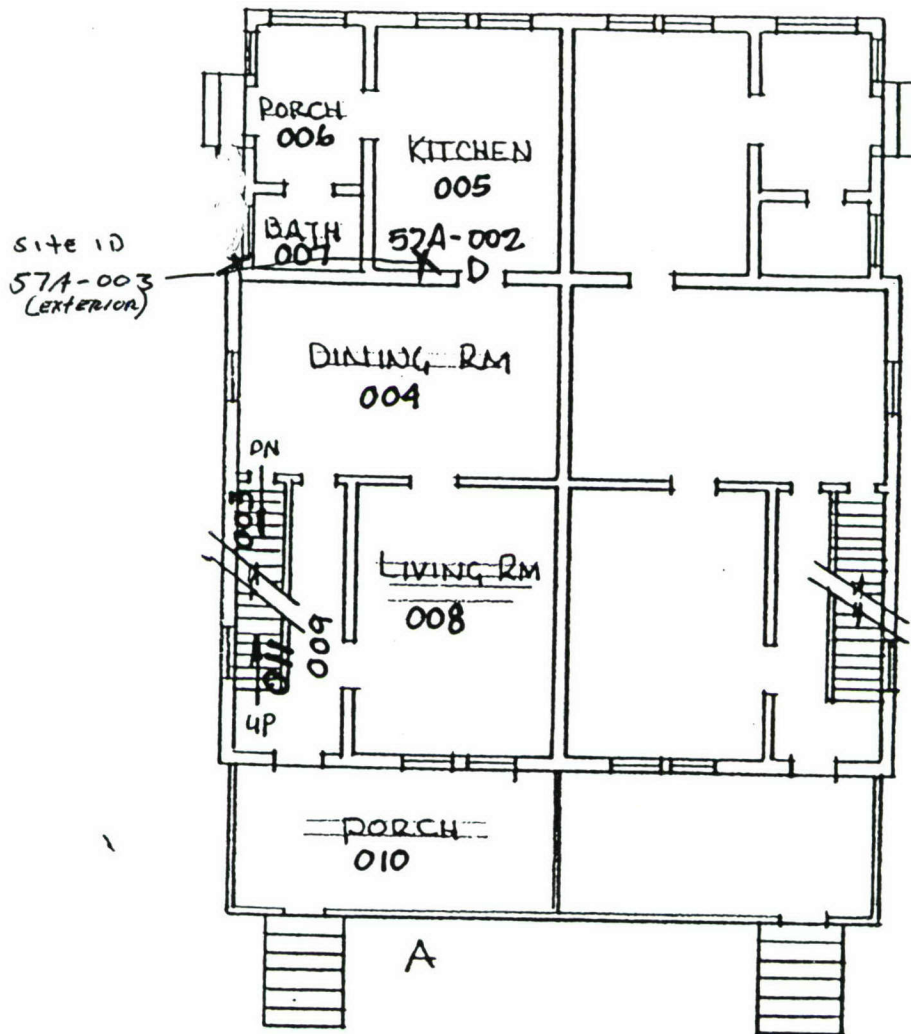
FIRST FLOOR BLDG 56 B

SCALE 3/32" = 1'-0"

↑N

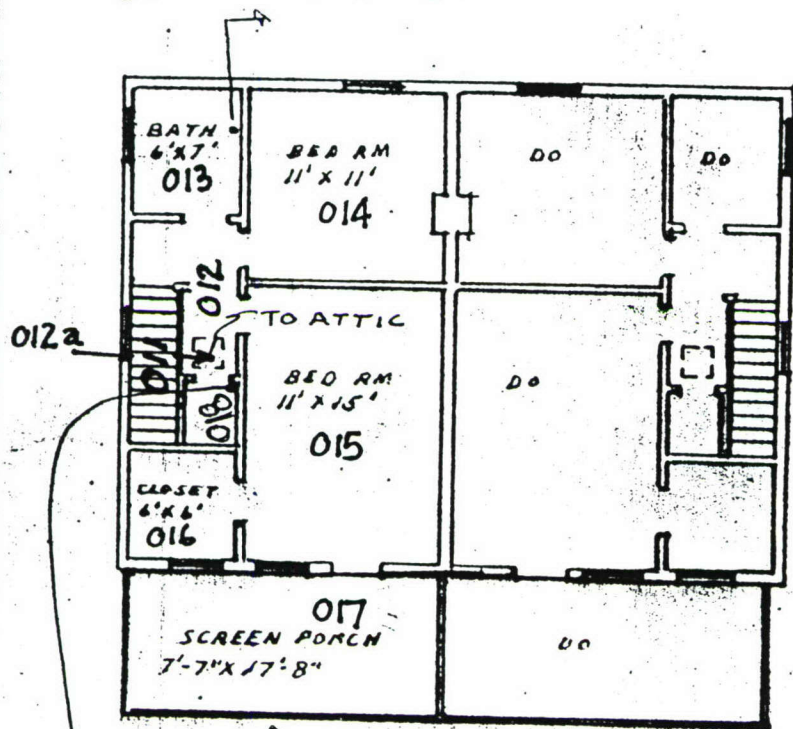


A
BASEMENT 57A
SCALE 3/32" = 1'-0"



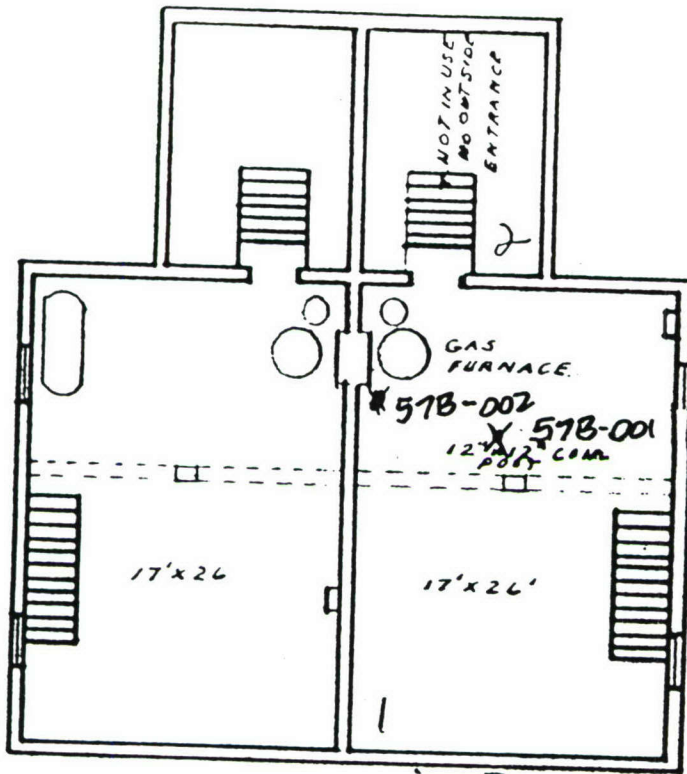
FIRST FLOOR BLDG. 57-A
SCALE 3/32" = 1'-0"

Sample # 57A-005
 linoleum taken along
 front of heat register
 along S. wall of room &
 12" from bath tub



A B
 SECOND FLOOR BLOCK 57 A-B
 SCALE 2/32" = 1'-0"

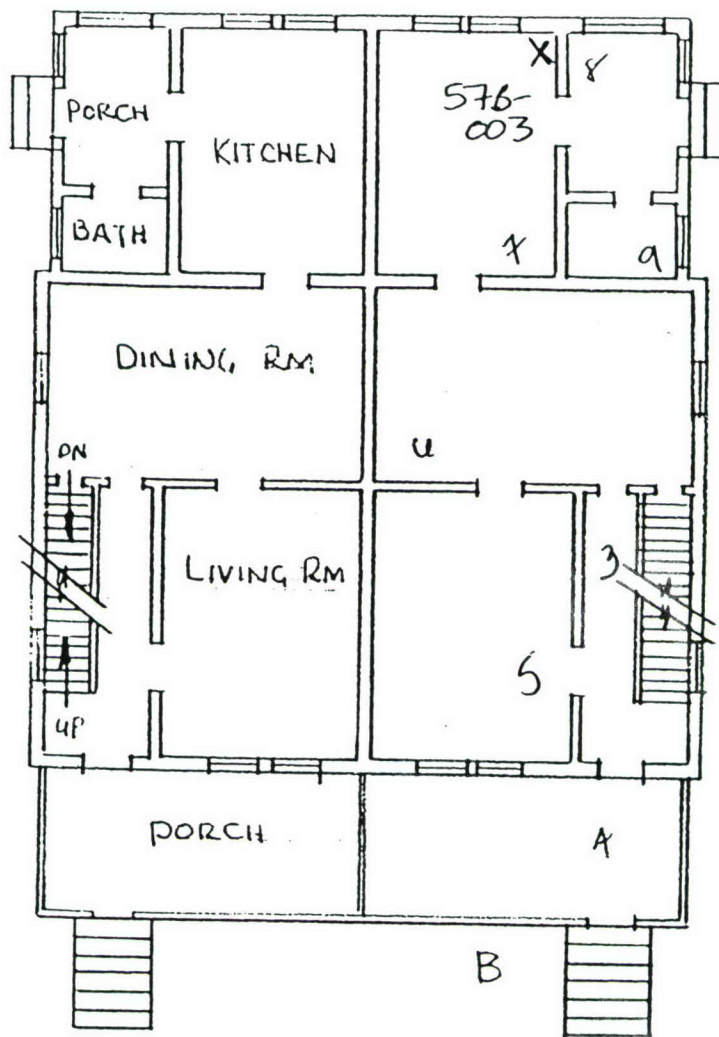
Sample 57A-004
 linoleum (b) closet 050.18
 at base of door frame
 (left side)



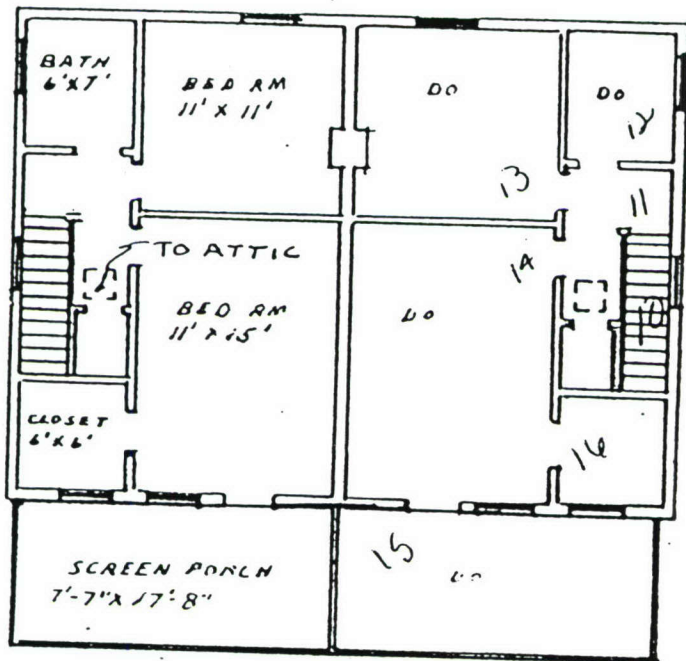
B

BASEMENT 57 B

SCALE $\frac{3}{32}'' = 1'-0''$

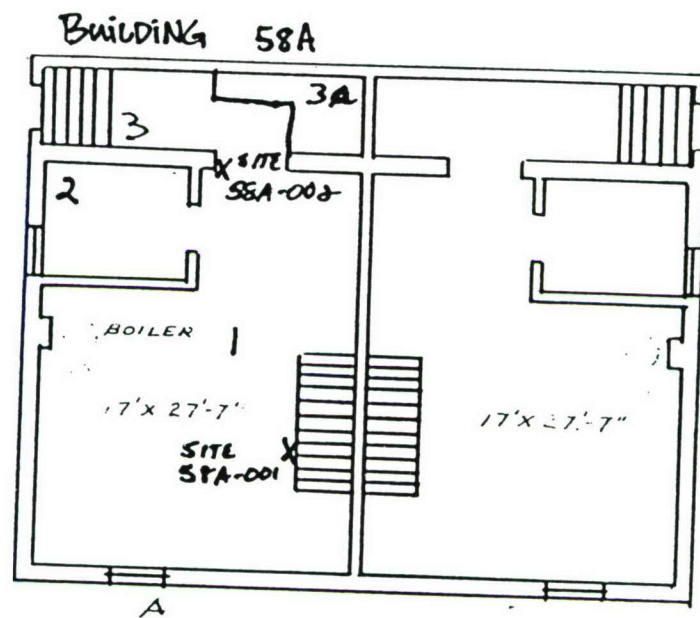


FIRST FLOOR BLDG 57- B
SCALE $\frac{3}{32}$ " 1'-0"



Attic 11a

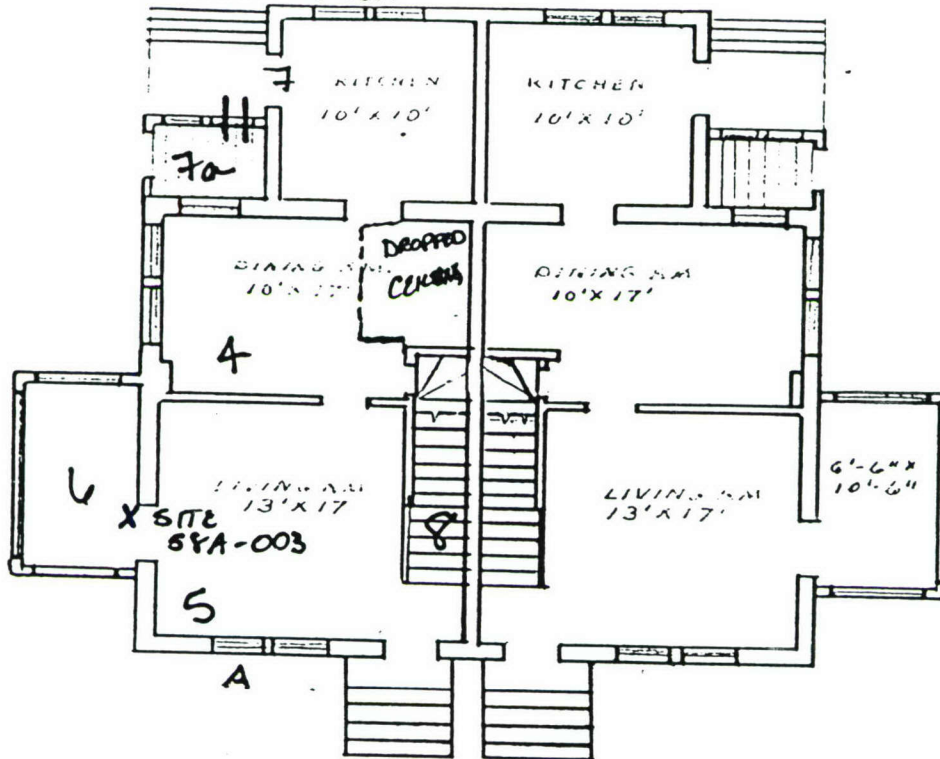
SECOND FLOOR BLDG 57 B
SCALE 3/32" = 1'-0"



BASEMENT 58A
SCALE $\frac{3}{32}$ " = 1'-0"

← N →

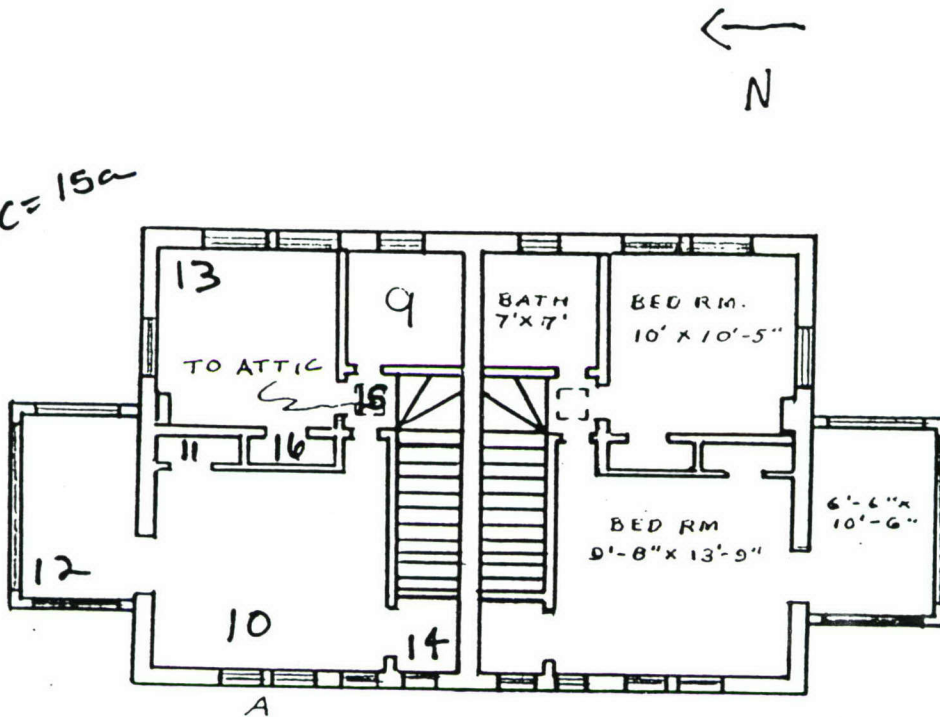
Building 58A



FIRST FLOOR 58A

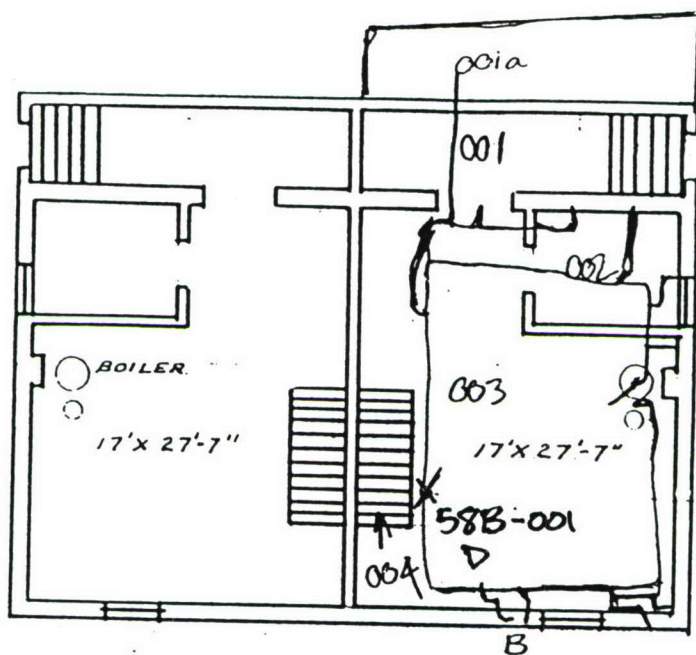
SCALE 3/32" = 1'-0"

ATTIC = 15a

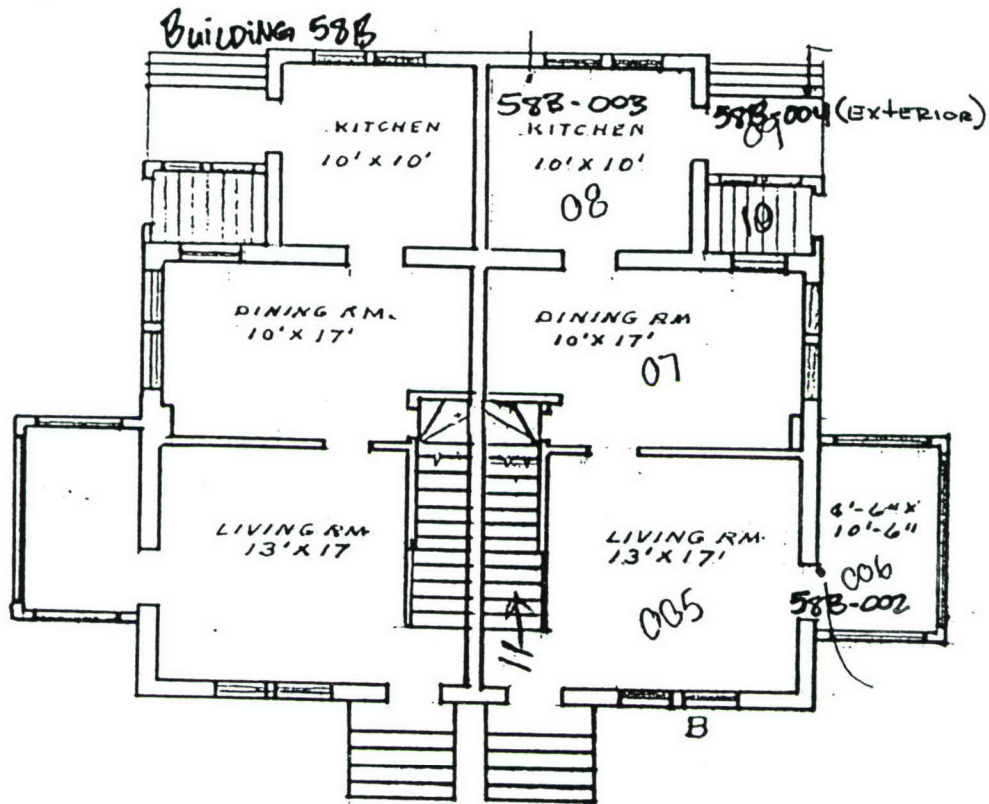


SECOND FLOOR 58A

SCALE $\frac{3}{32}$ " = 1'-0"

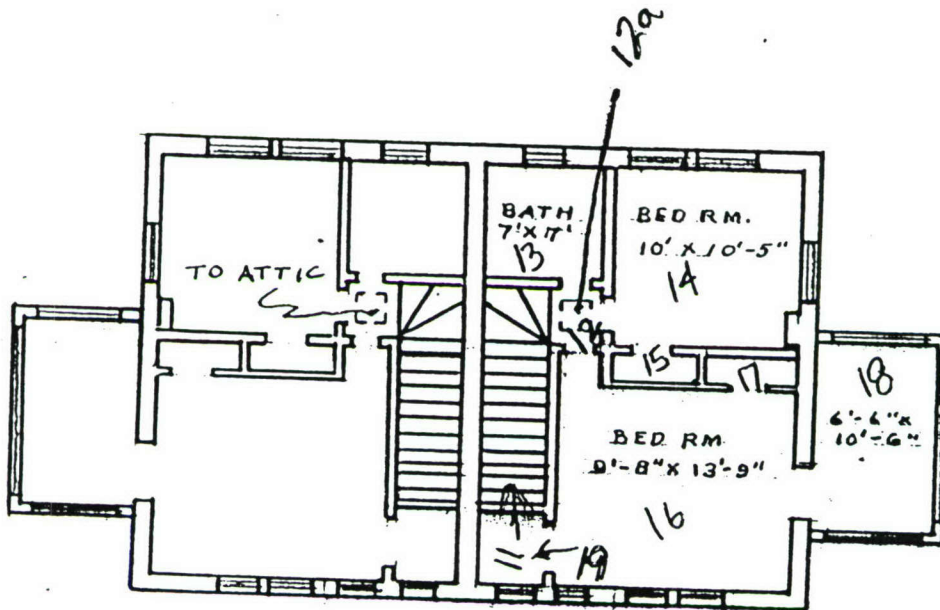


BASEMENT 58 B
SCALE 3/32" = 1'-0"



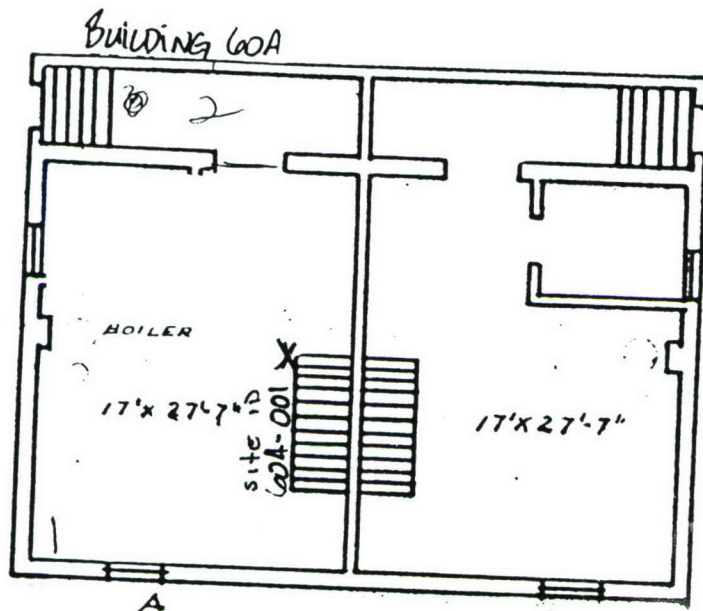
FIRST FLOOR 58B

SCALE $\frac{3}{32}$ " = 1'-0"



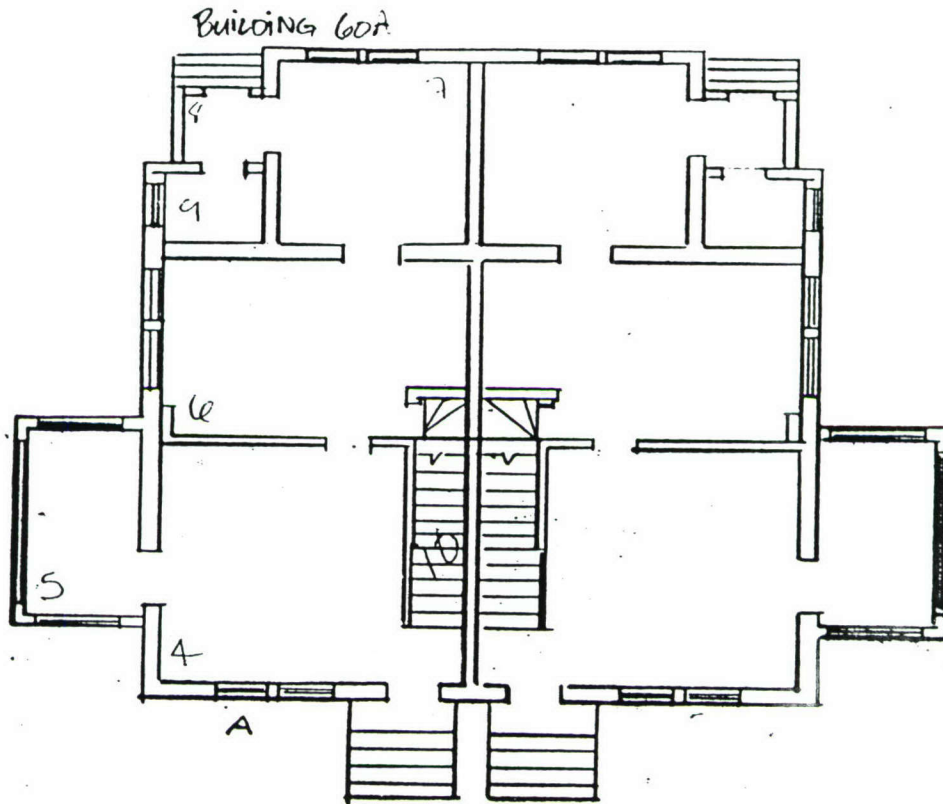
B
SECOND FLOOR 58A-B
SCALE 3/32" = 1'-0"

OFFICE OF THE FACILITIES ENGINEER FORT DOUGLAS, UTAH		BATH ROOM INSTALLATION QTRS. 59 FORT DOUGLAS, UTAH	
DRAWN T.E.L.	DATE 15 JAN 76	CHECKED	
SCALE		SHEET	FILE



BASEMENT 60A-
SCALE $\frac{3}{32}'' = 1'-0''$

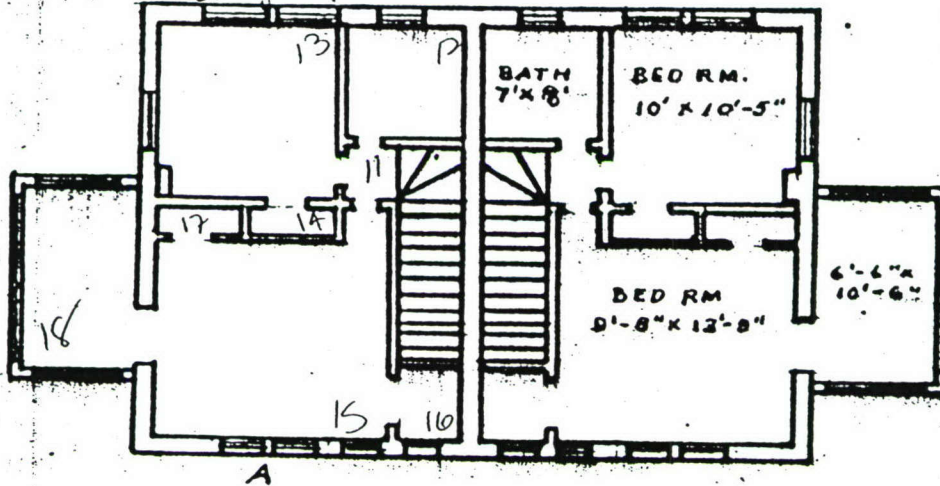
← N -



FIRST FLOOR 60A
SCALE 3/32" = 1'-0"

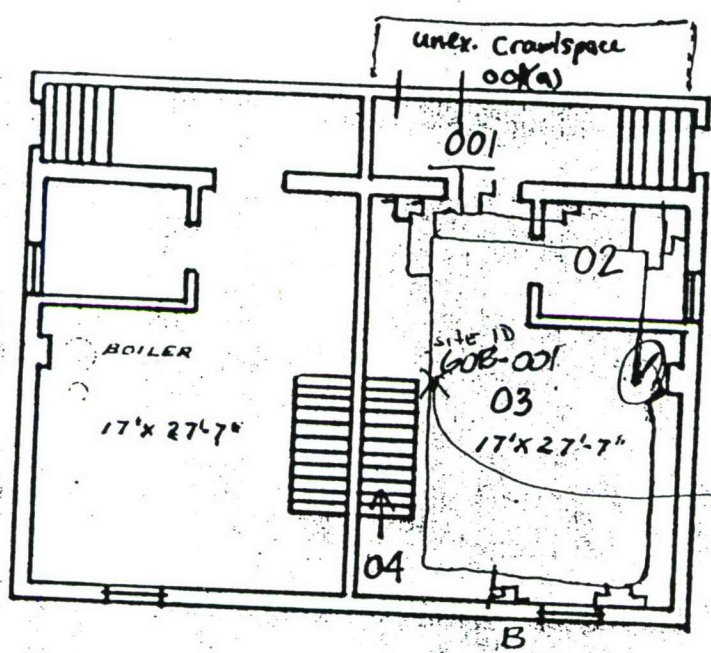


Building 60A



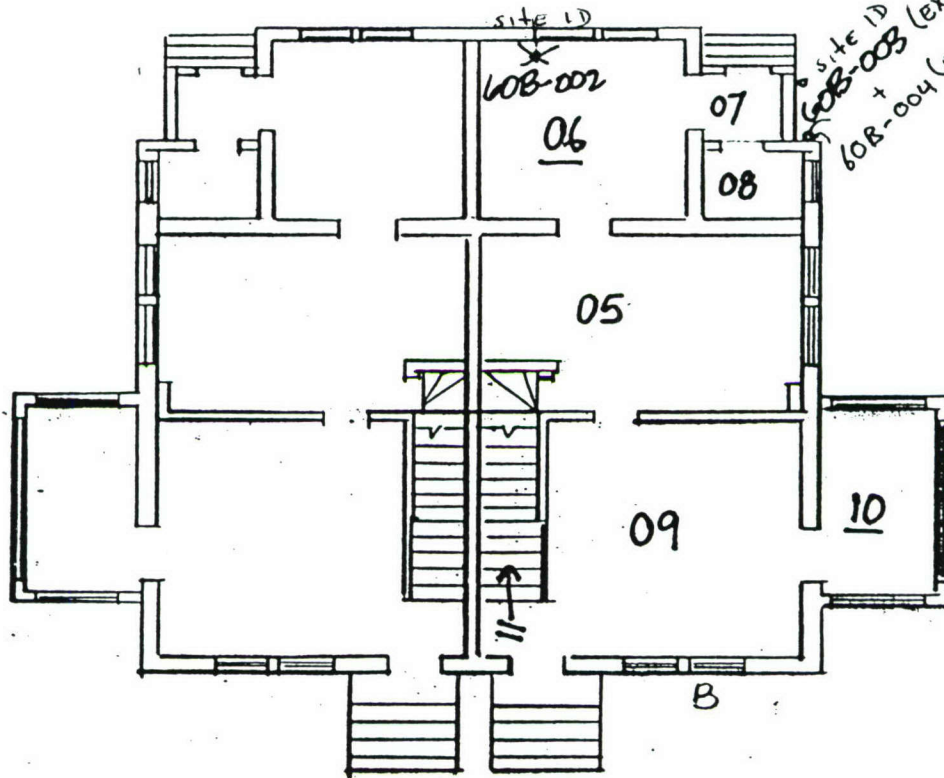
SECOND FLOOR 60A
SCALE 3/32" = 1'-0"

Alb. c = 11a

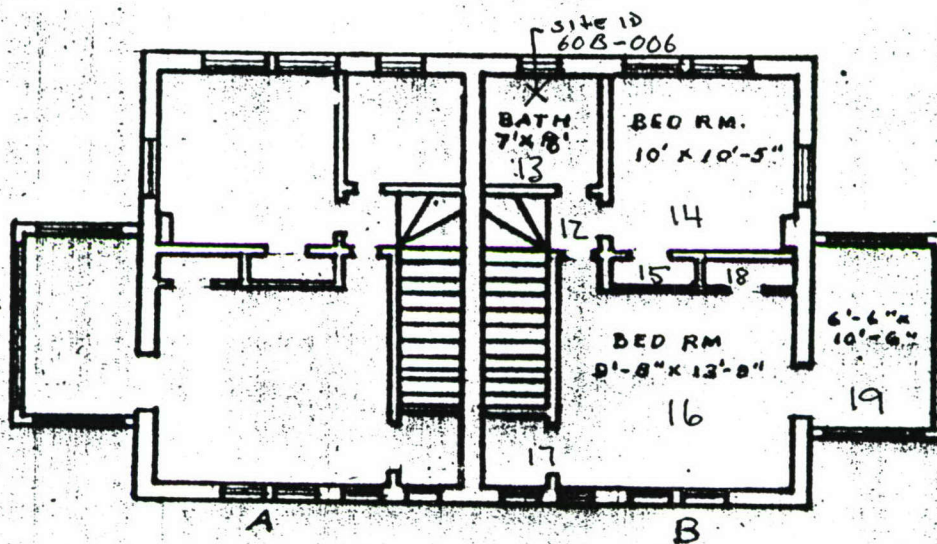


BASEMENT 00 - B
SCALE 3/32" = 1'-0"

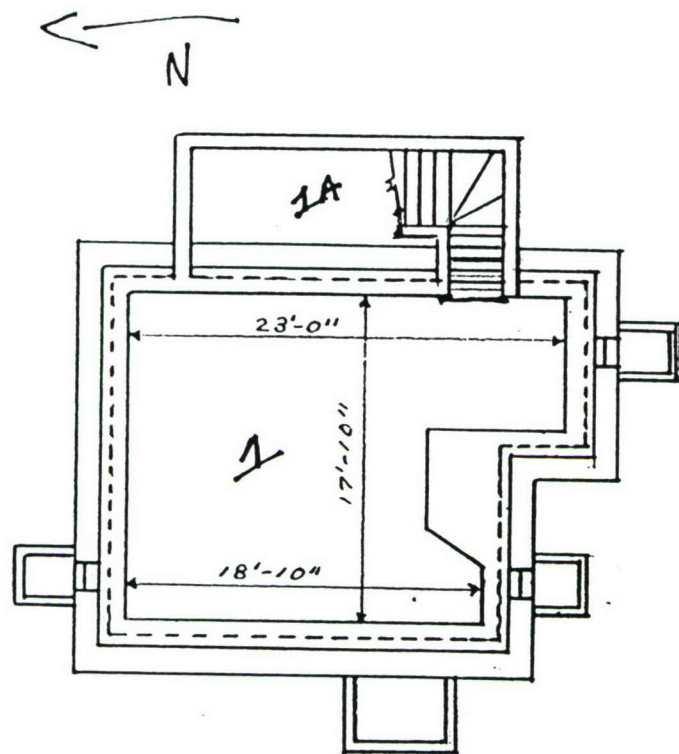
N
←



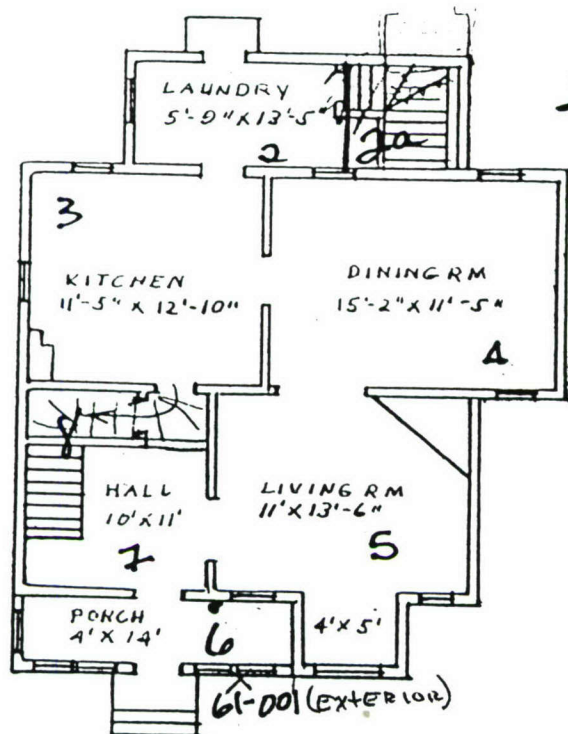
FIRST FLOOR 60 - B
SCALE 3/32" = 1'-0"



SECOND FLOOR 60A-B
SCALE 3/32" = 1'-0"

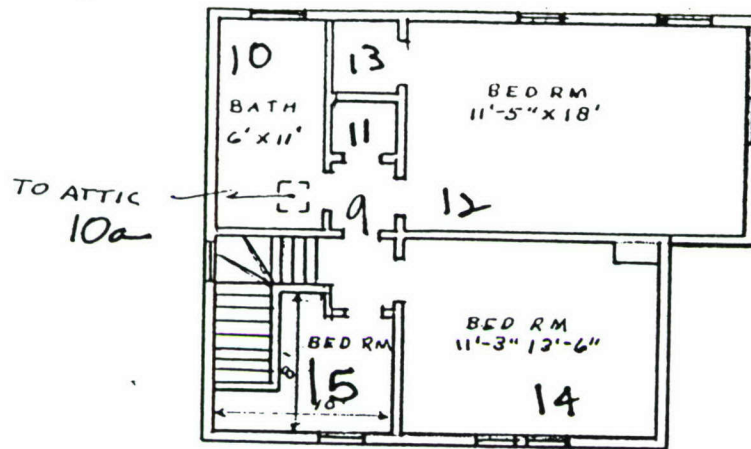


BASEMENT 61

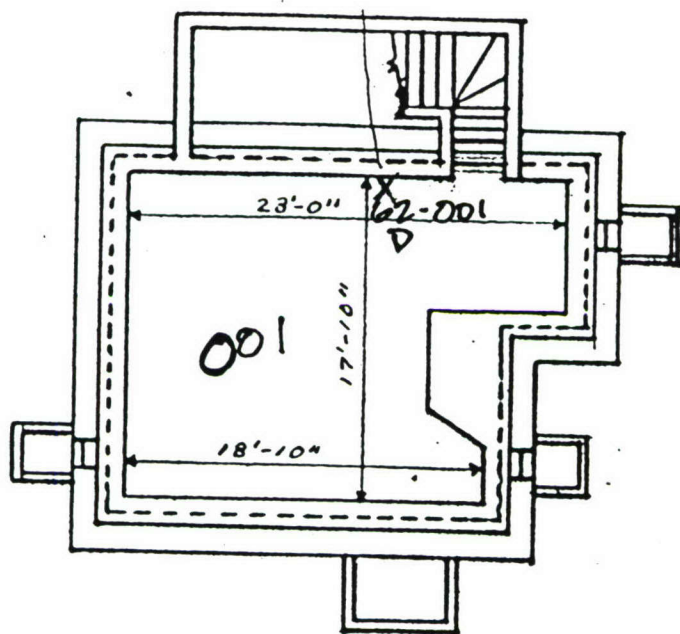


2a = bathroom

FIRST FLOOR 61
SCALE 3/82" = 1'-0"

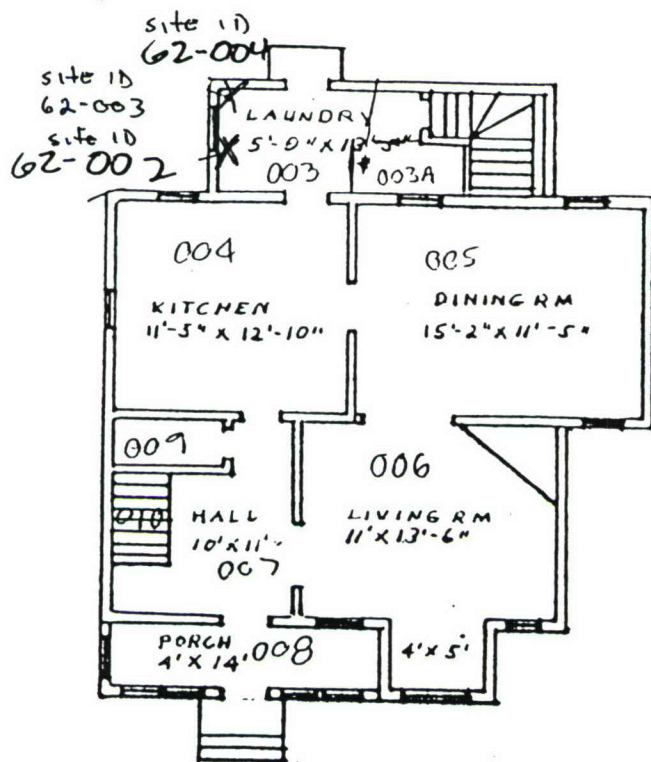


SECOND FLOOR G1
SCALE $\frac{3}{32}'' = 1'-0''$



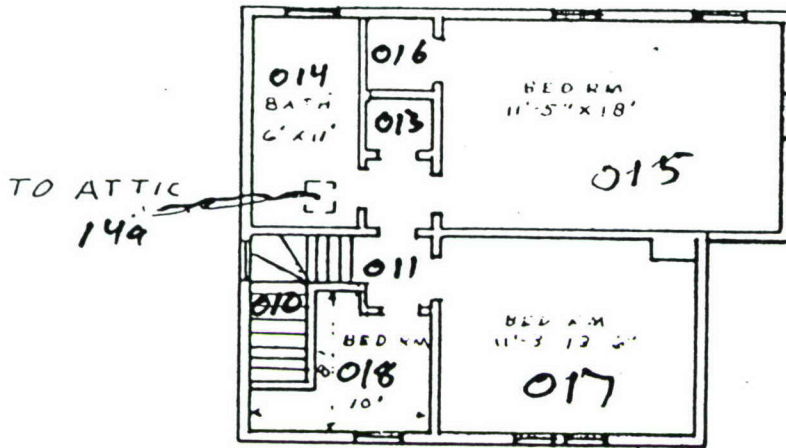
BASEMENT 02

N ↑



FIRST FLOOR G2
 SCALE 3/32" = 1'-0"

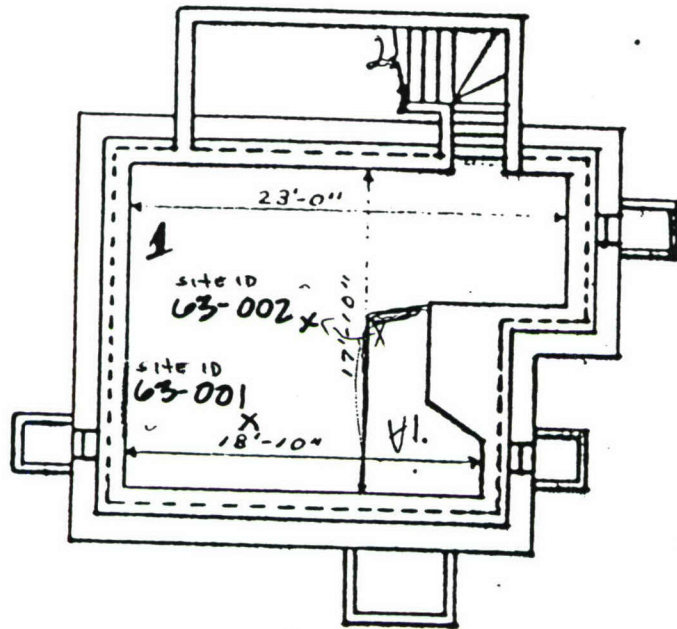
N



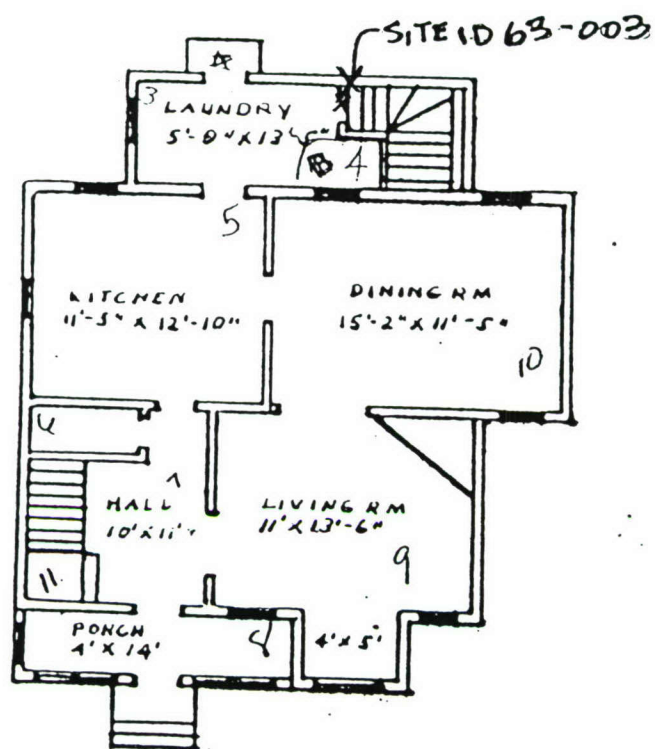
SECOND FLOOR 62

SCALE $\frac{3}{32}'' = 1'-0''$

N ↑



BASEMENT 63

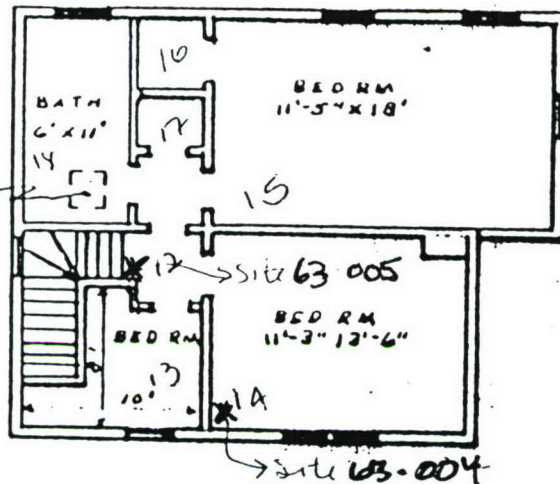


FIRST FLOOR 63
SCALE 3/32" = 1'-0"

← N

ACCESS TO
ATTIC

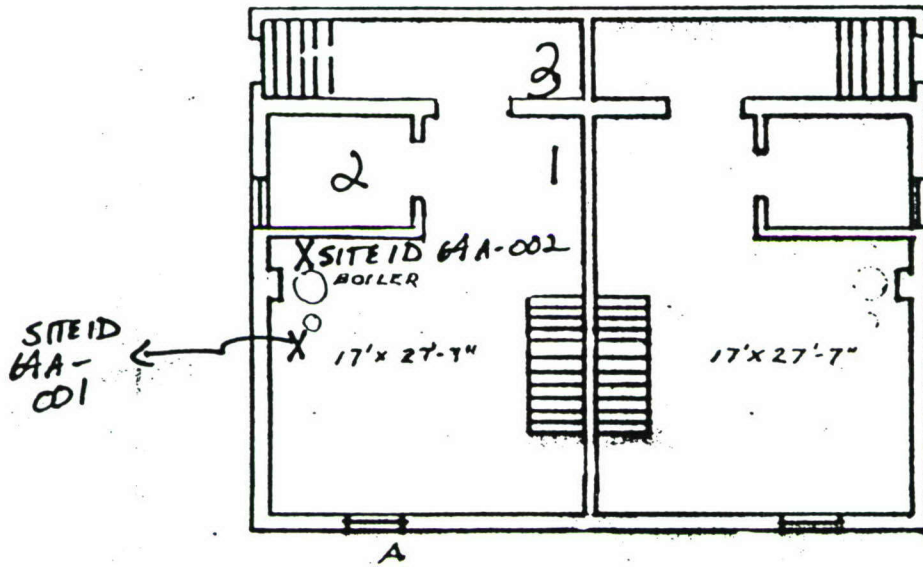
attic =
180



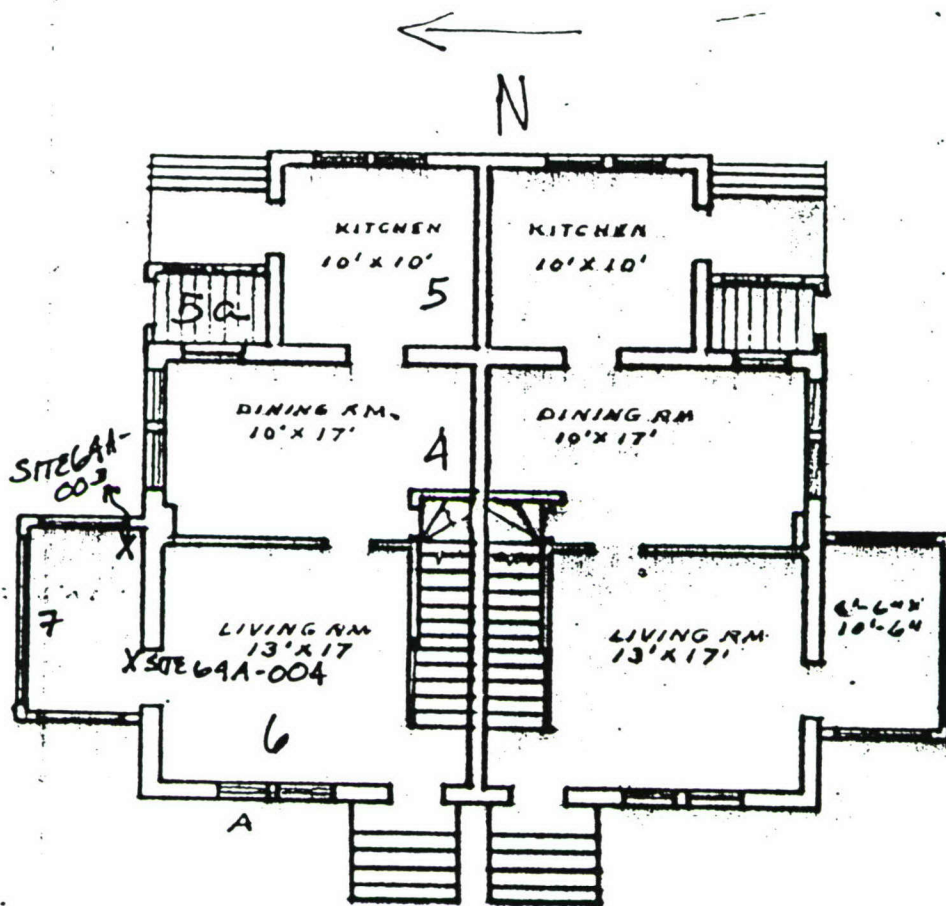
SECOND FLOOR G.3

SCALE 3/32" = 1'-0"

13
11
33



BASEMENT 64A-
SCALE 3/32" = 1'-0"

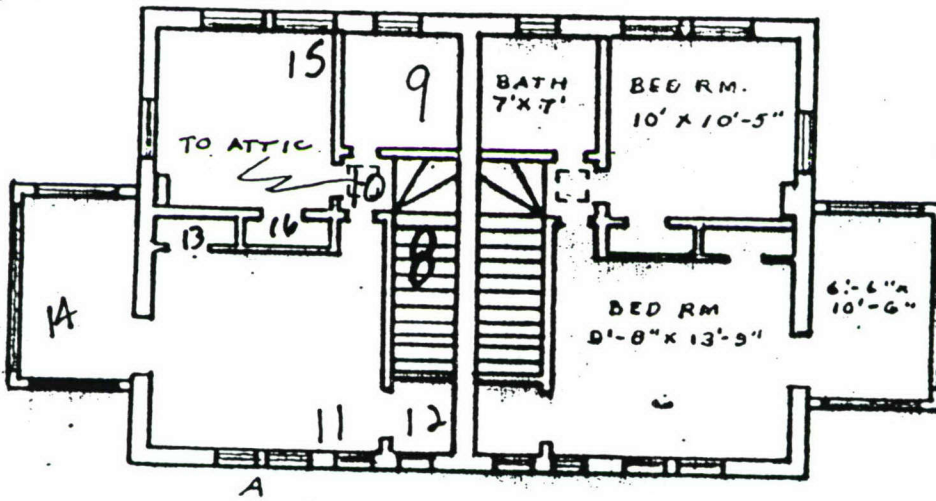


FIRST FLOOR 64A-

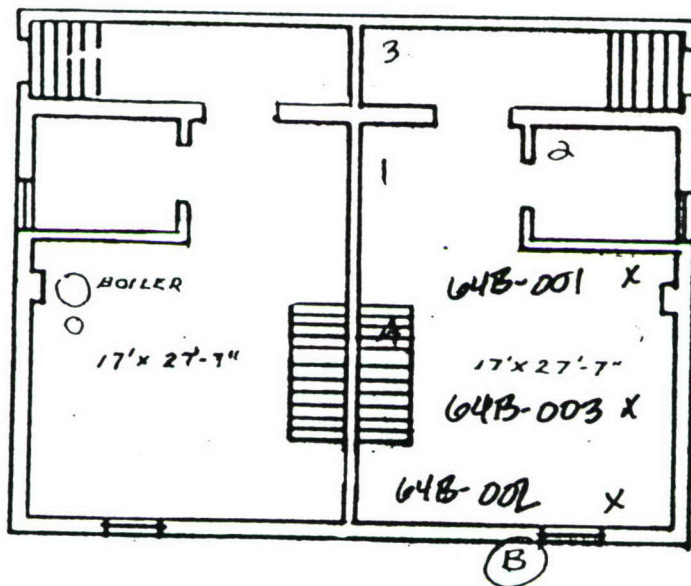
SCALE 1/32" = 1'-0"



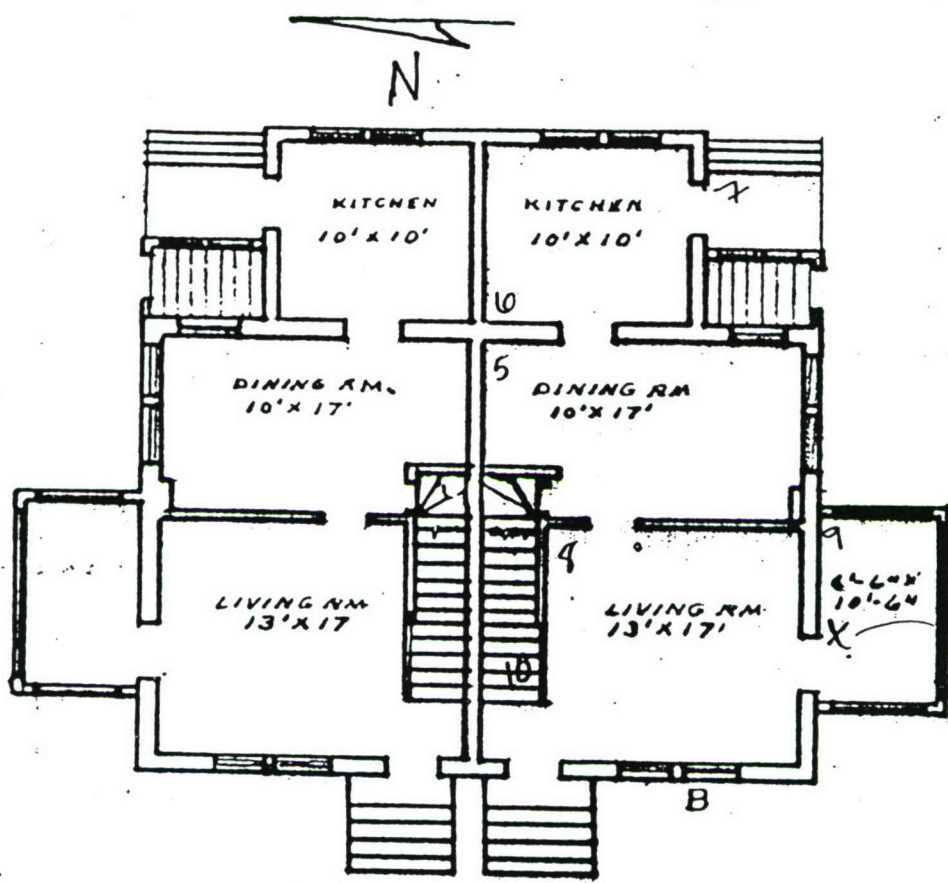
ATTIC = 10a



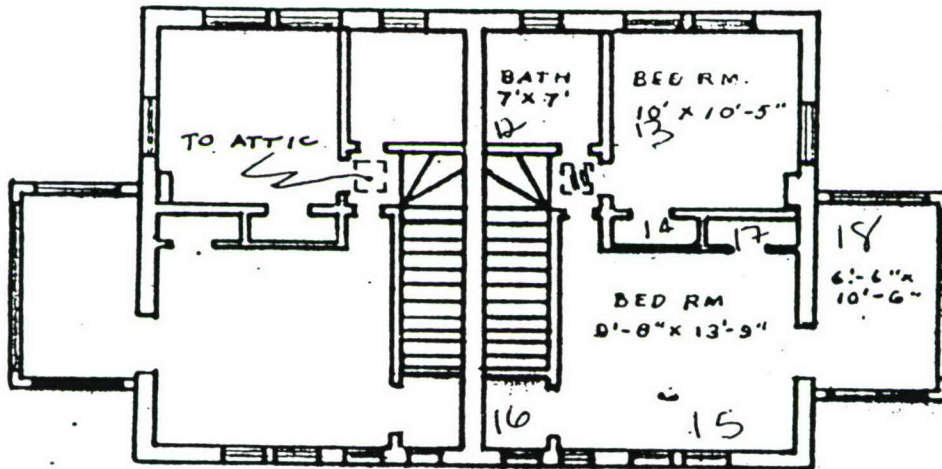
SECOND FLOOR G4A-
SCALE 3/32 = 1'-0"



BASEMENT 64 B
SCALE 3/32" = 1'-0"

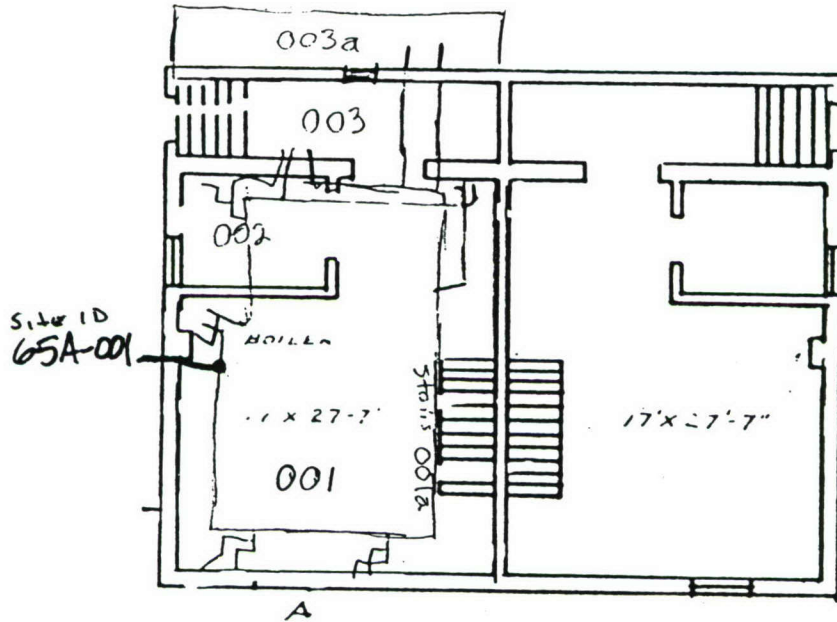


FIRST FLOOR 64A-B
SCALE 3/32" = 1'-0"

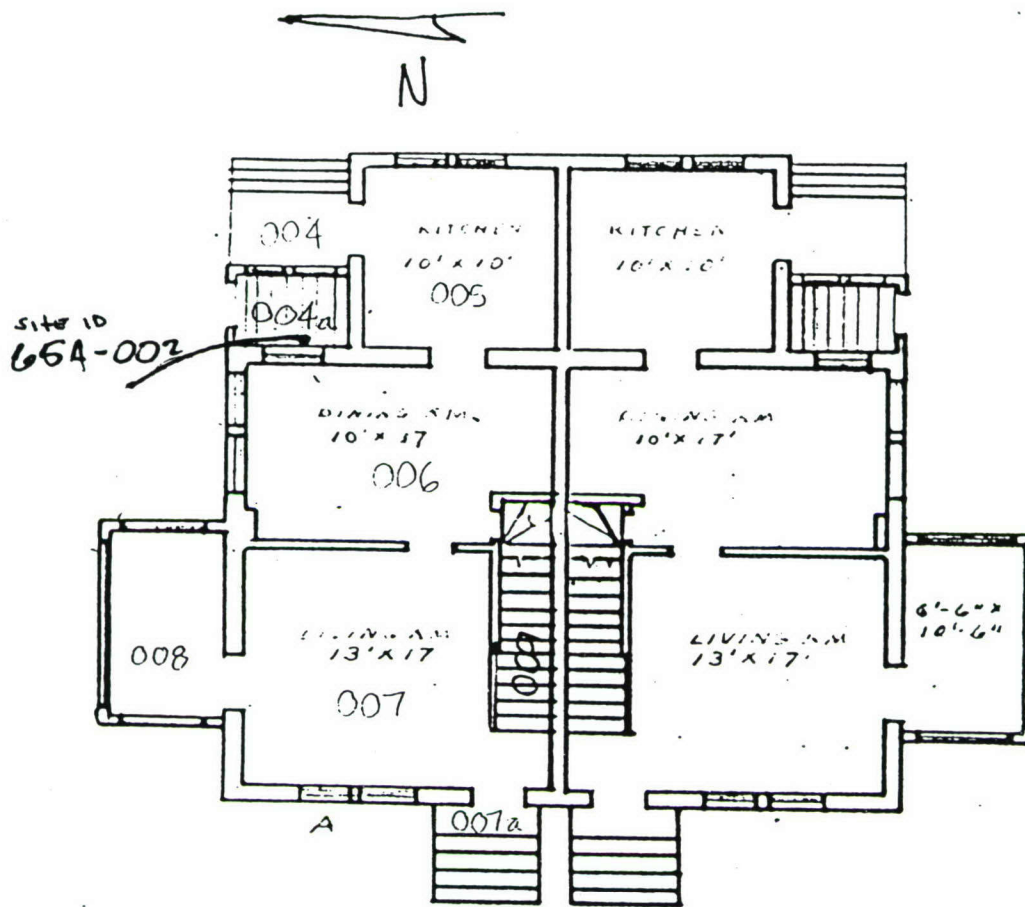


11 a = attic

B
SECOND FLOOR G4 A-B
SCALE 3/32 24'-0"

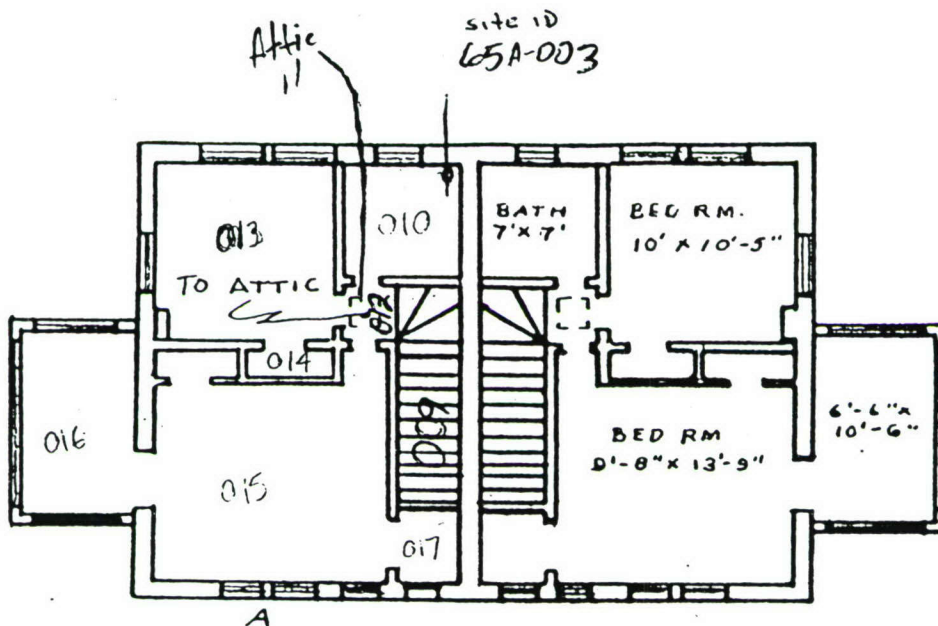


BASEMENT 65 A-B
SCALE 3/32" = 1'-0"

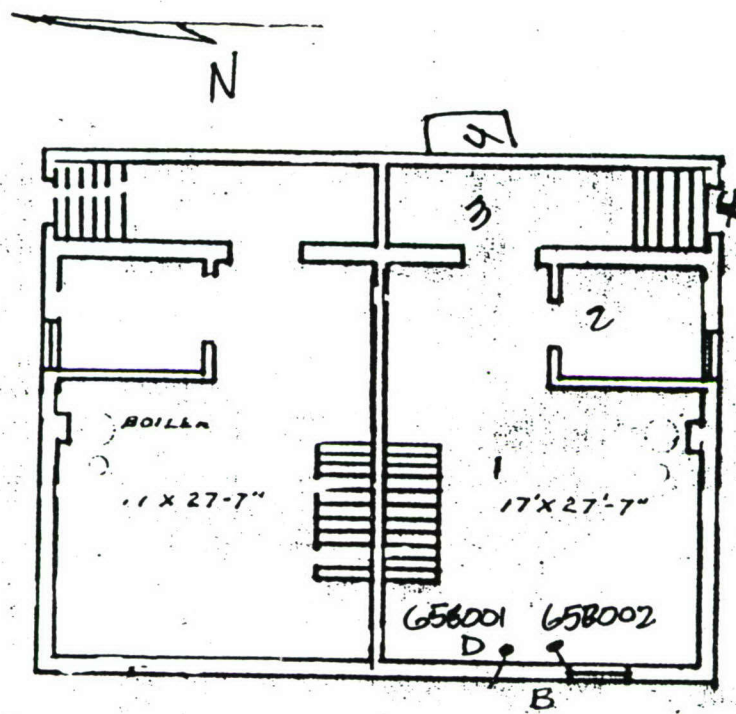


FIRST FLOOR G5A

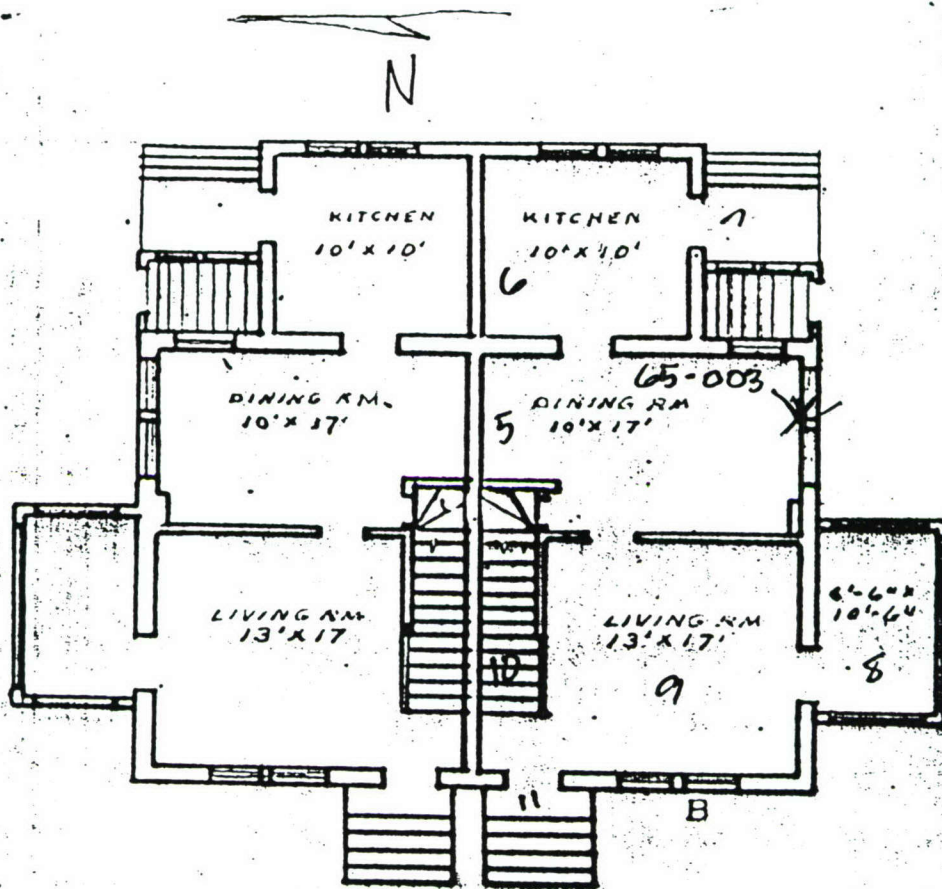
SCALE 3/32" = 1'-0"



SECOND FLOOR G5A-B
SCALE 3/32" = 1'-0"



BASEMENT 65 - B
SCALE 3/32" = 1' 0"

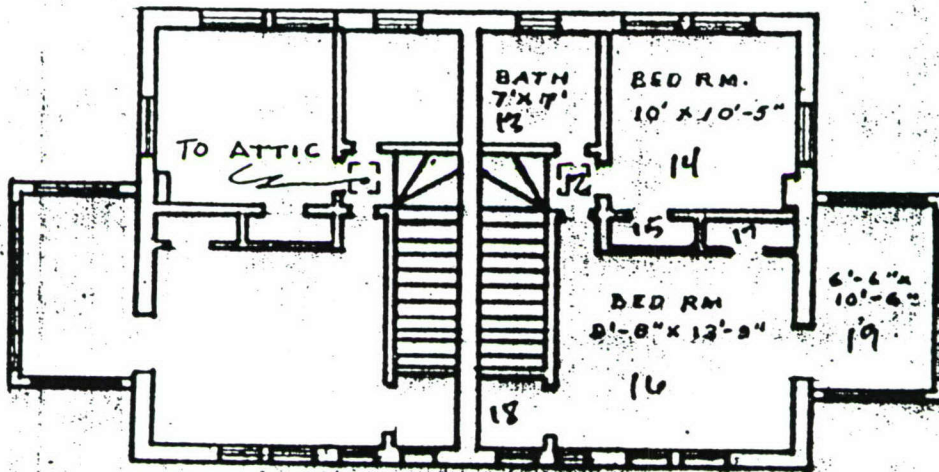


FIRST FLOOR 65 - B

SCALE 3/32" = 1'-0"

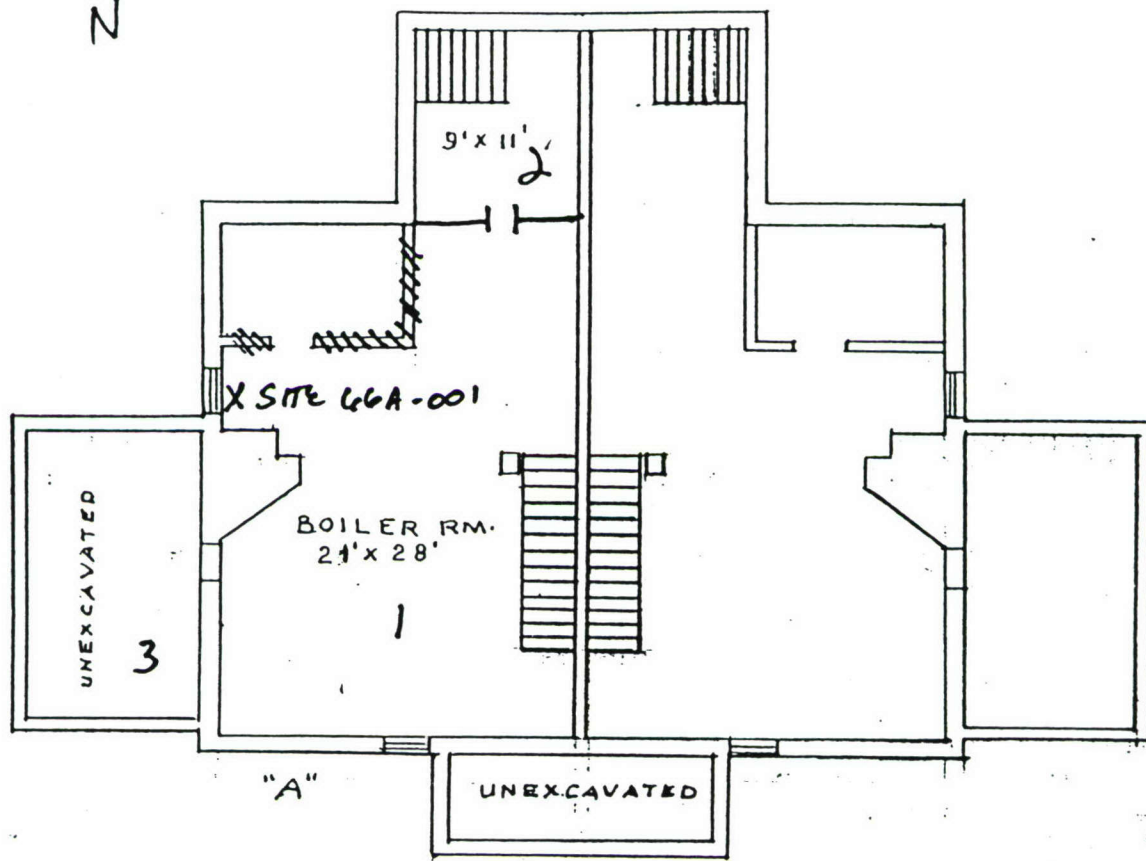


12a Attic



B

SECOND FLOOR G5. B
SCALE 3/32" = 1'-0"



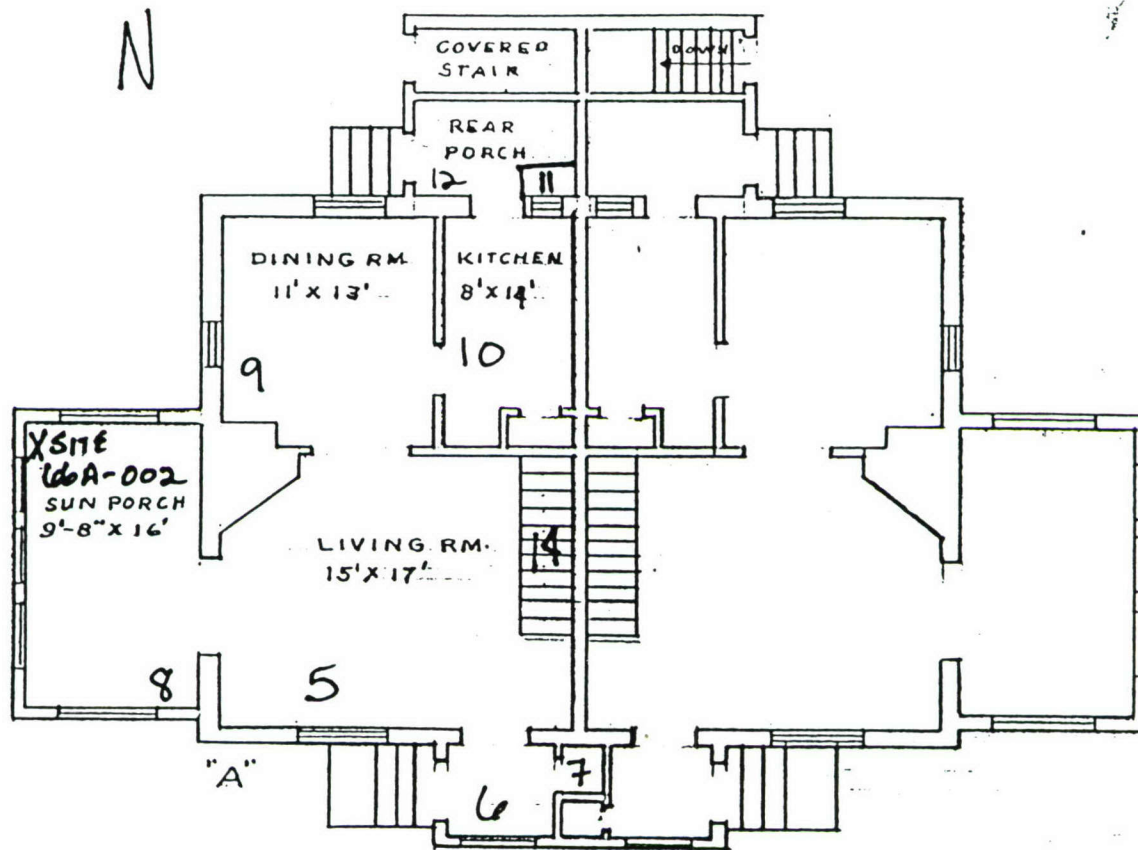
BASEMENT GG-A

SCALE 3/32" = 1'-0"

/// = walls do not exist

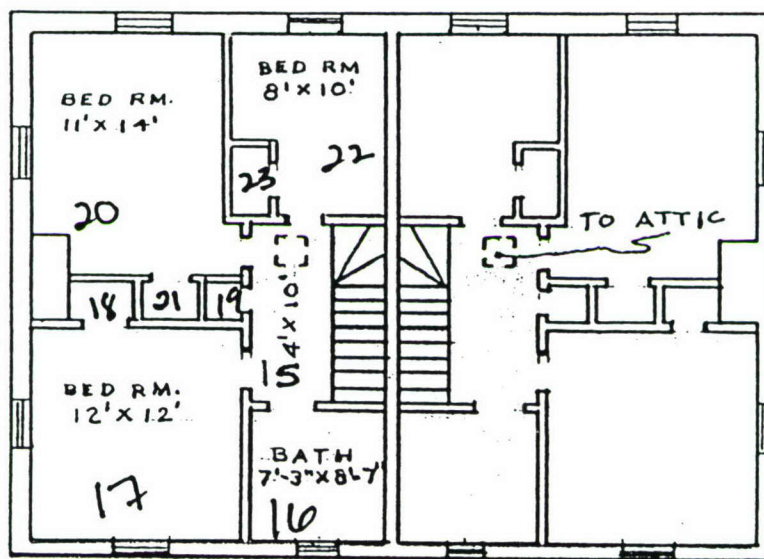


N



FIRST FLOOR QTR5 66A

SCALE 3/32" = 1'-0"

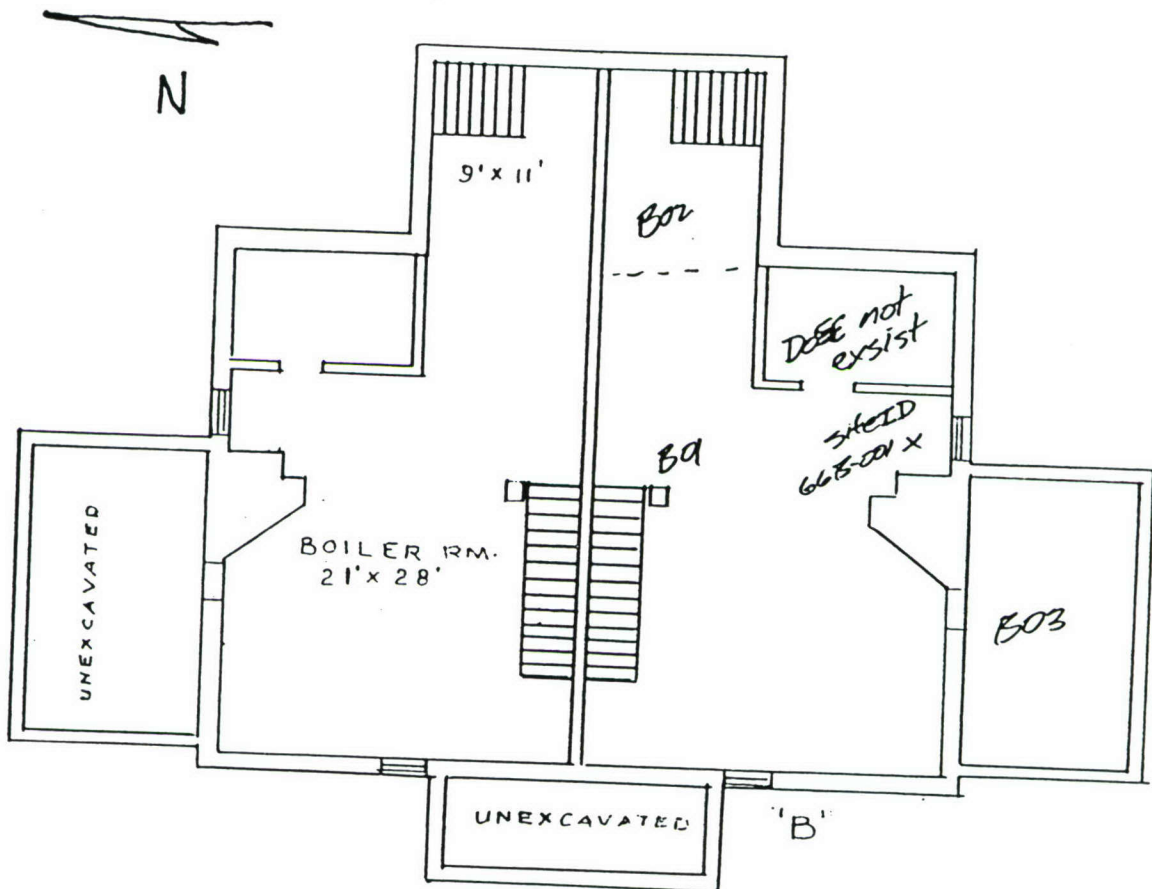


"A"

SECOND FLOOR QTRS. 66A

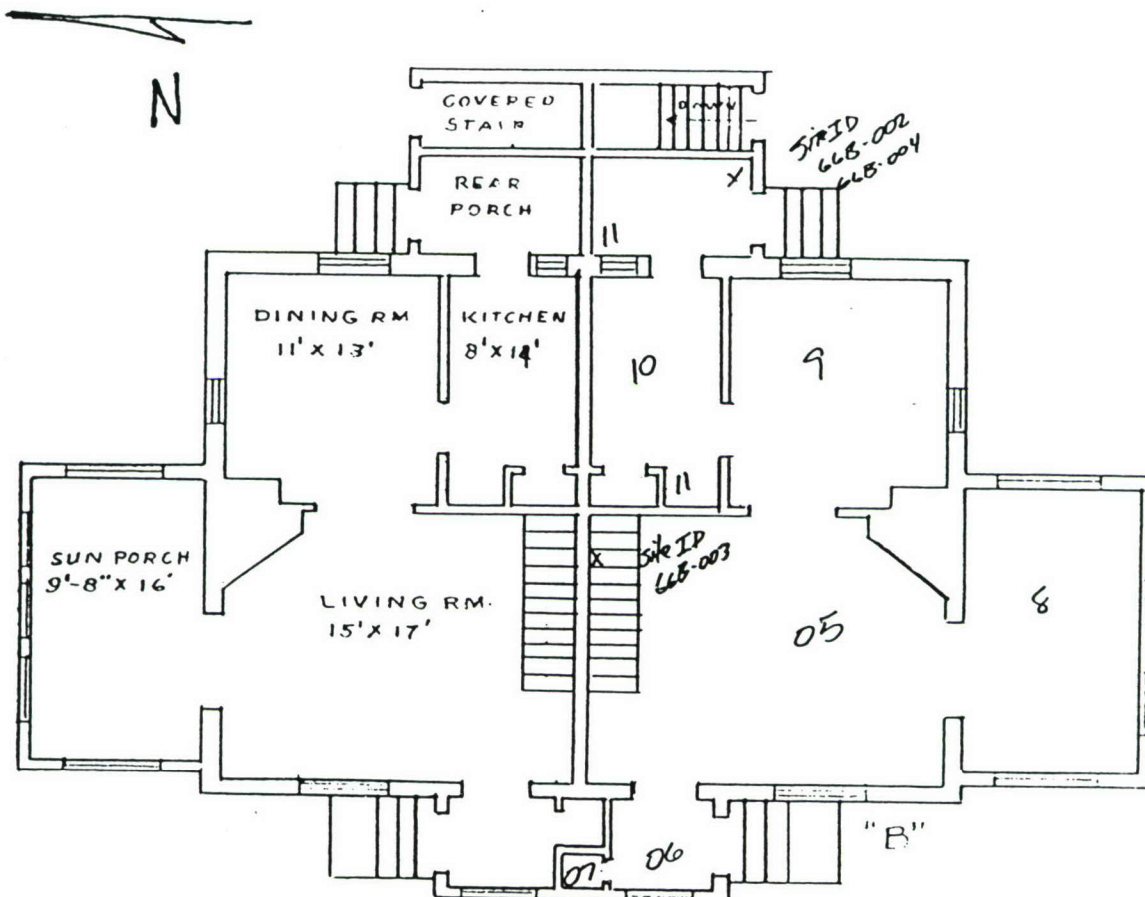
SCALE $\frac{3}{32}'' = 1'-0''$

Attic = 15a



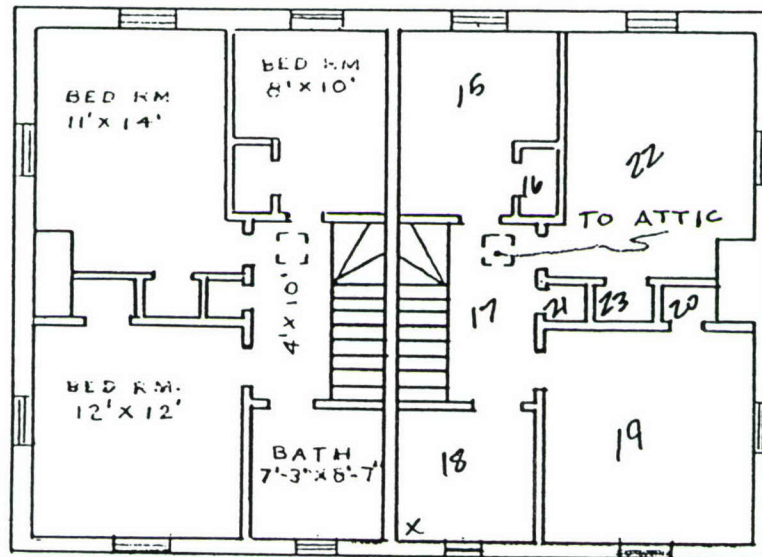
BASEMENT 66 - B

SCALE 3/32" = 1'-0"



FIRST FLOOR QTRS 66 - B

SCALE 3/32" = 1'-0"

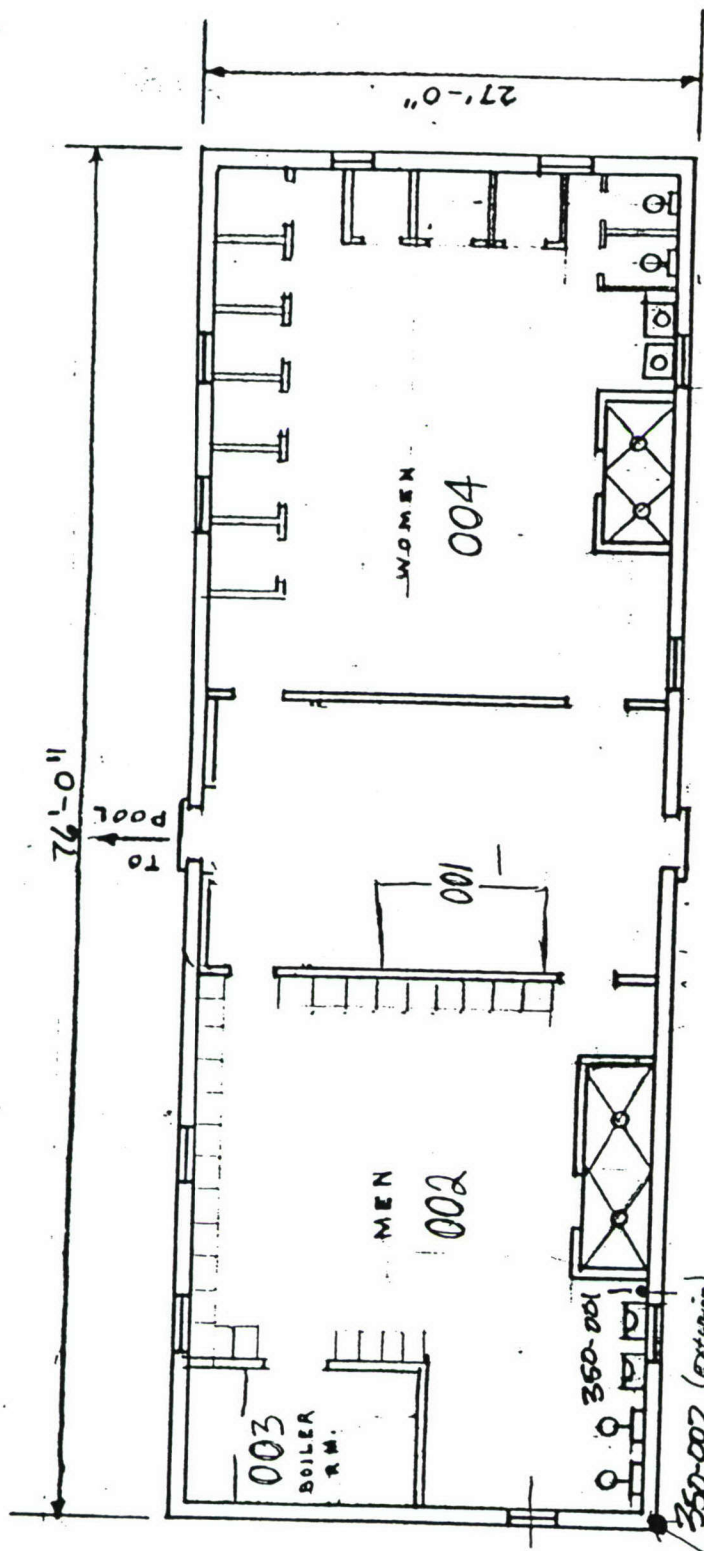


Sited
66B-005

"B"

SECOND FLOOR QTRS. GG. 1 B

SCALE 3/32" = 1'-0"



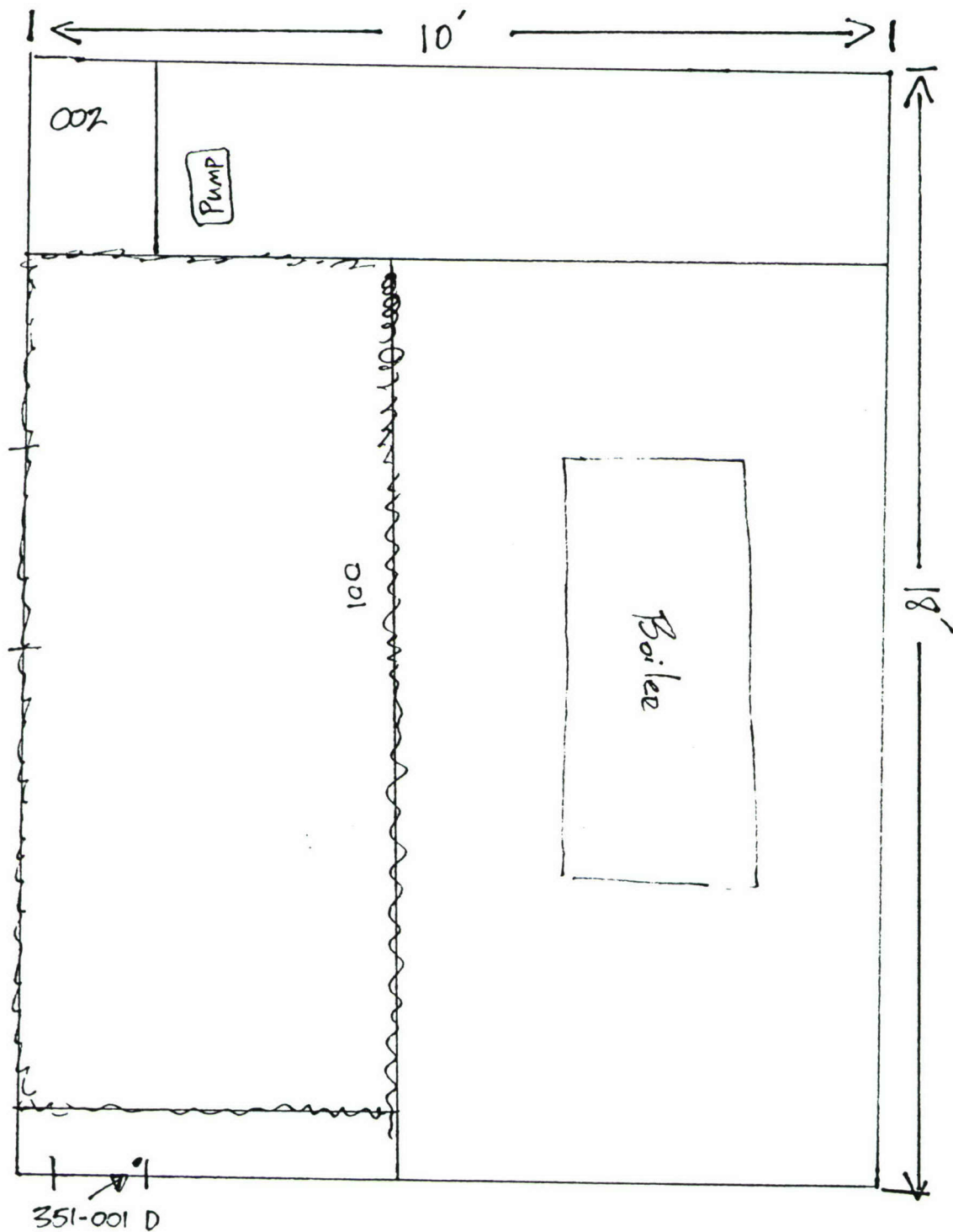
BATH HOUSE BLDG 350

SCALE 3/32" = 1'-0"

10 JAN 1973

1-1
350

BUILDING 351



Note *

No map at Directorate of
Engineering AND Housing.

03

JPN 06/541

41

BUDG 51 Garage

Name

Sample #

Functional
spaceTransit 500F² 51-001
Shingles

2

Felling 500F² 51-002

2

Wire wrap

1

Both samples taken externally

UDD 06/541

03

JPN 06/541

42

BUDG 69 Garage

Name

Sample #

FS

Transit Shingles 69-001
~620F²

1

Felling 69-002
~620F²

1

Samples taken externally

03

JUN 06/1541

41

BUG 51 GARAGE

HARRISON

SANDPIT

FUNCTIONAL
SPACETRANSISTE 500F² 51-001
SHIMPS

2

FELTING 500F² 51-002

2

WIRE MESH

1

Both samples taken externally

03

JUN 06/1541

42

BUG 69 GARAGE

HARRISON

SANDPIT

CS

TRANSISTE SHIMPS 69-001
~620F²

1

FELTING 69-002
~620F²

1

Samples taken externally

D3 cu 51 WAB
an conditioner outlets -

in room

suspended lighting - 100mb - 8
(2 rows of track lighting)

2 lights = 8
1 light = 10
2 lights = 9
2 lights = 12

Big 50 garage

two samples taken - both externally
50-001 = transition slings inside

of garage

50-002 = fitting under north
transit

internal of garage is all
wood - no walls, ceiling etc.

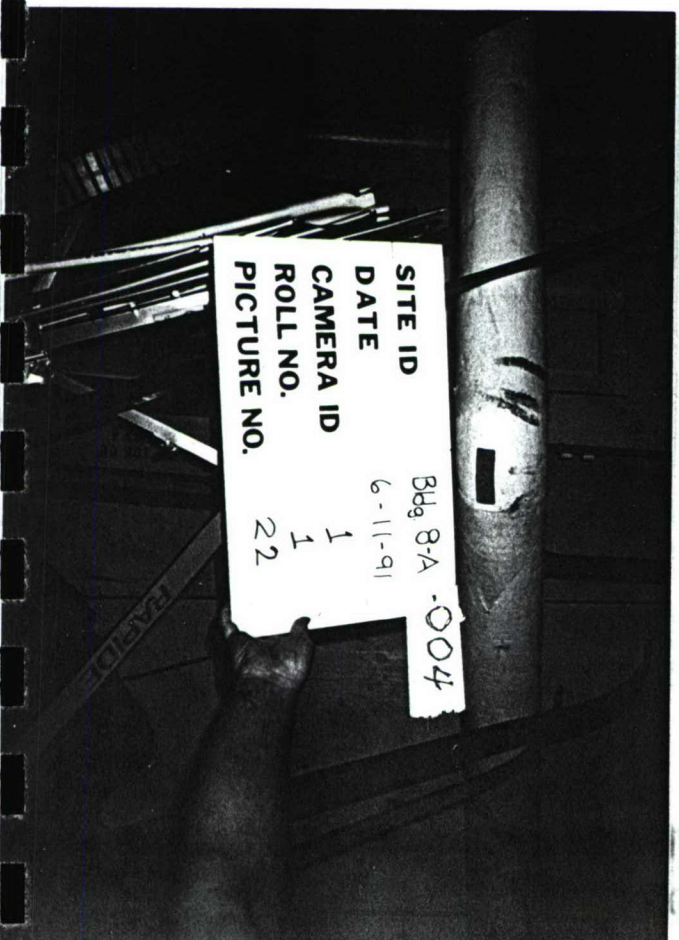
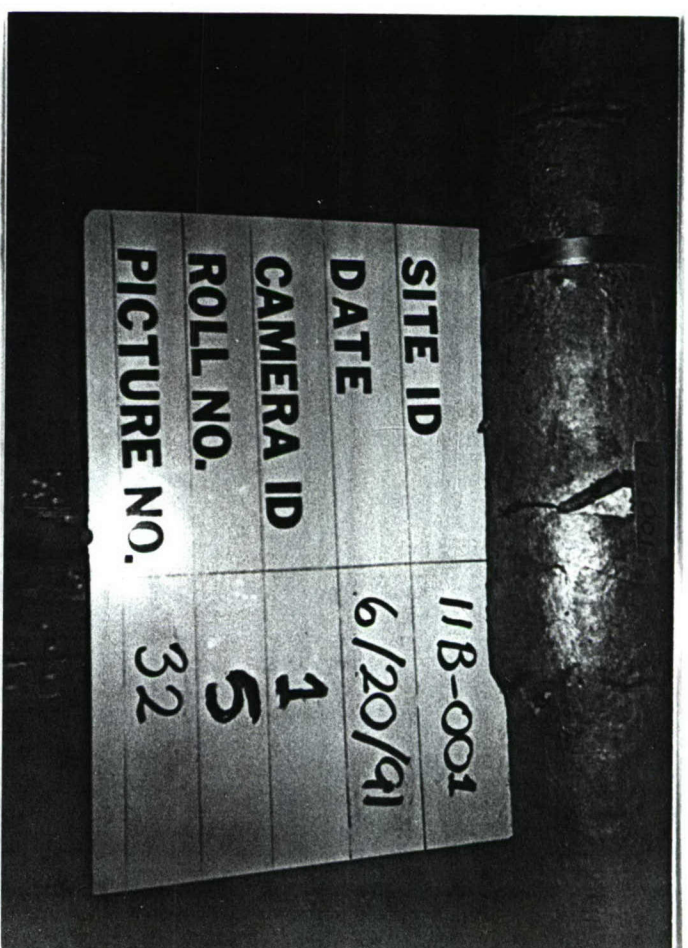
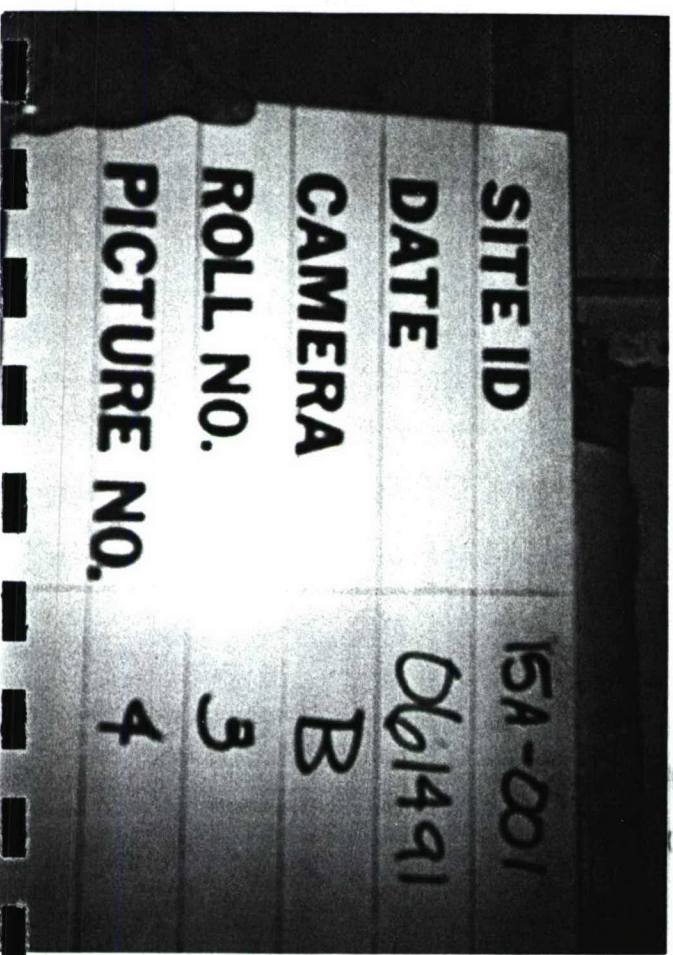
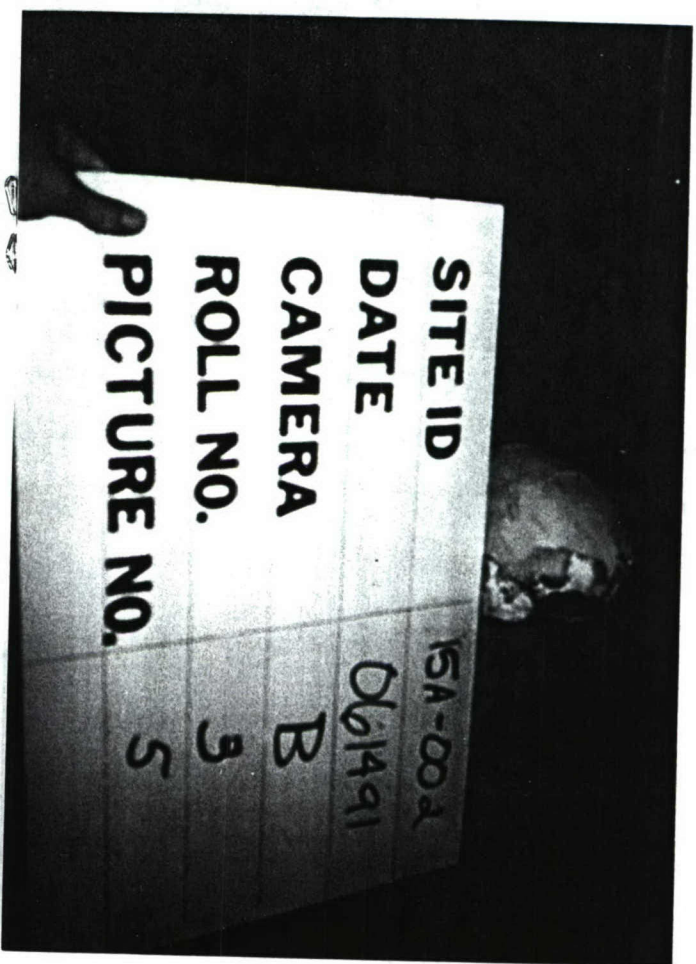
50-001 50-002

Appendix C

Photographics of Suspect ACM at
Fort Douglas, Utah,
Excessed Area

Photographs of Thermal Systems Insulation Materials
at Fort Douglas, Excessed Area

<u>Site ID</u>	<u>Material Type</u>	<u>Analytical Results</u>
8A-004	Joint Compound on Fiberglass	<0.5
11B-001	MAG-Block Insulation	35.0
15A-001	Wool Pipe Wrap Insulation	<0.5
15A-002	Joint Compound	25.0
19A-001	Air Cell Insulation	55.0
56B-001	Paper Pipe Wrap Insulation	35.0



SITE ID 568-001
DATE 06/12/91
CAMERA R
ROLL NO. 2
PICTURE NO. 12

SITE ID	19A-02028
DATE	19A-001
CAMERA ID	6/17/91
ROLL NO.	1
PICTURE NO.	4
	30

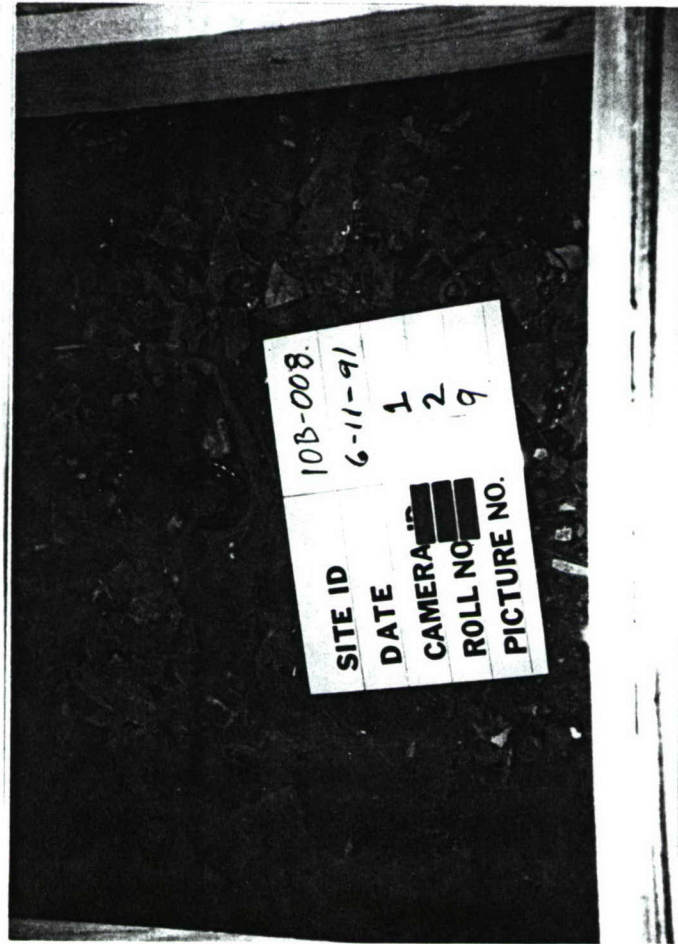
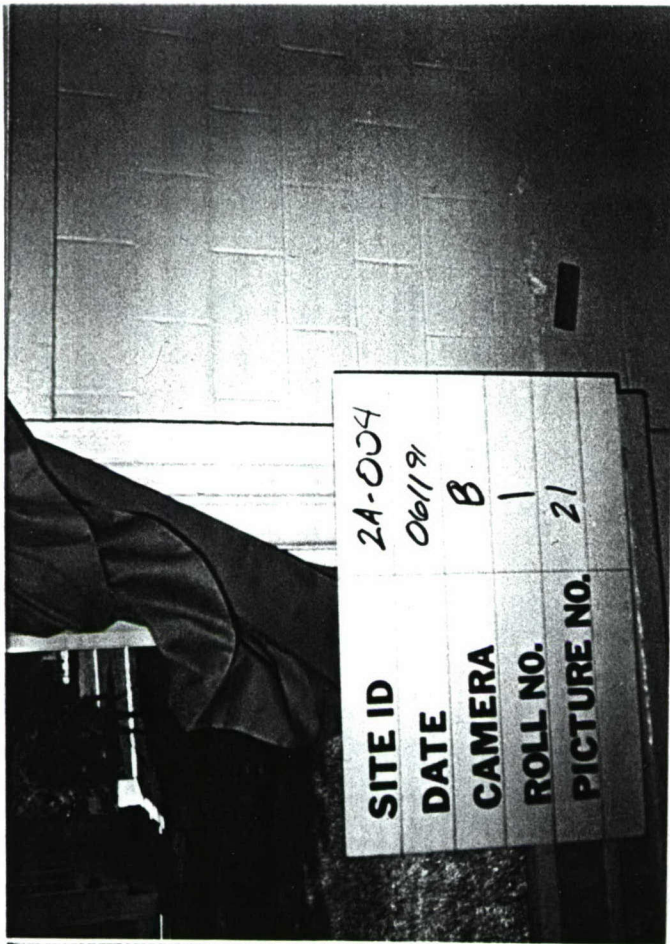
Photographs of Surfacing Material at Fort Douglas,
Excessed Area

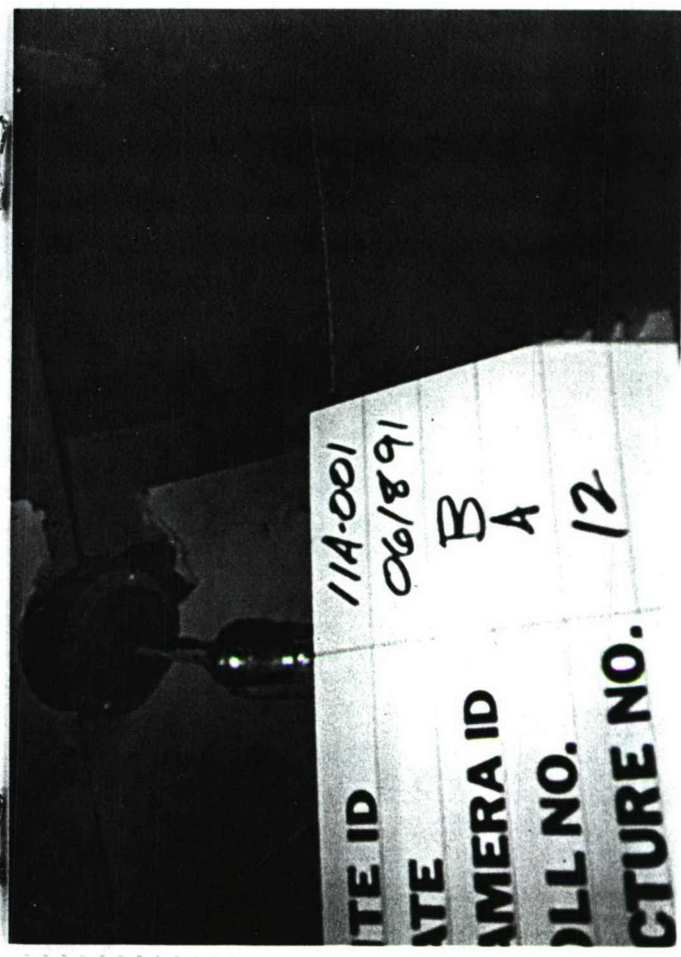
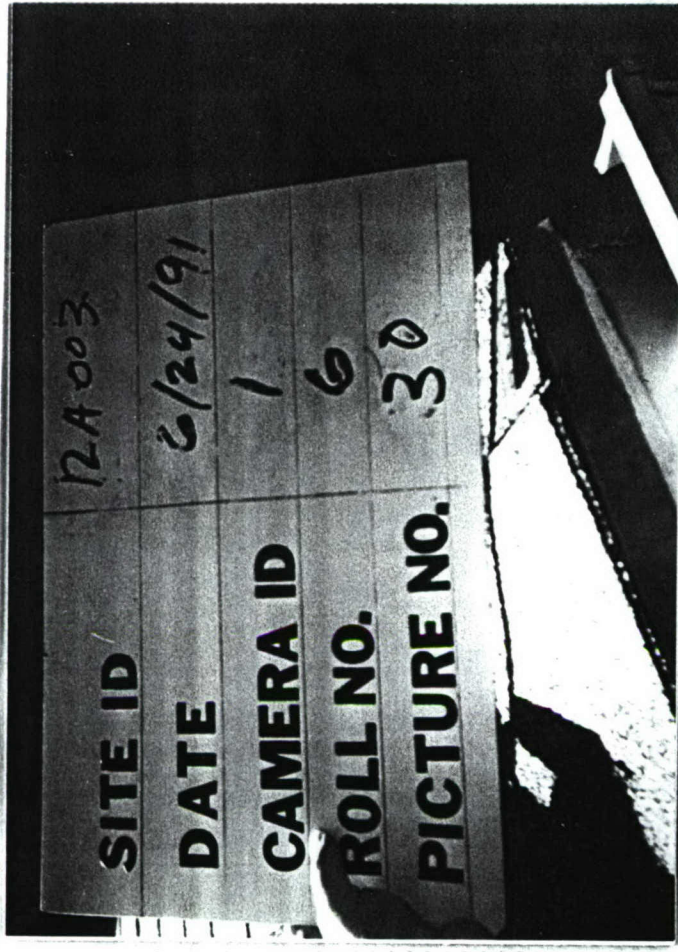
<u>Site ID</u>	<u>Material Type</u>	<u>Analytical Results</u>
54-008	Soundproofing	8.0

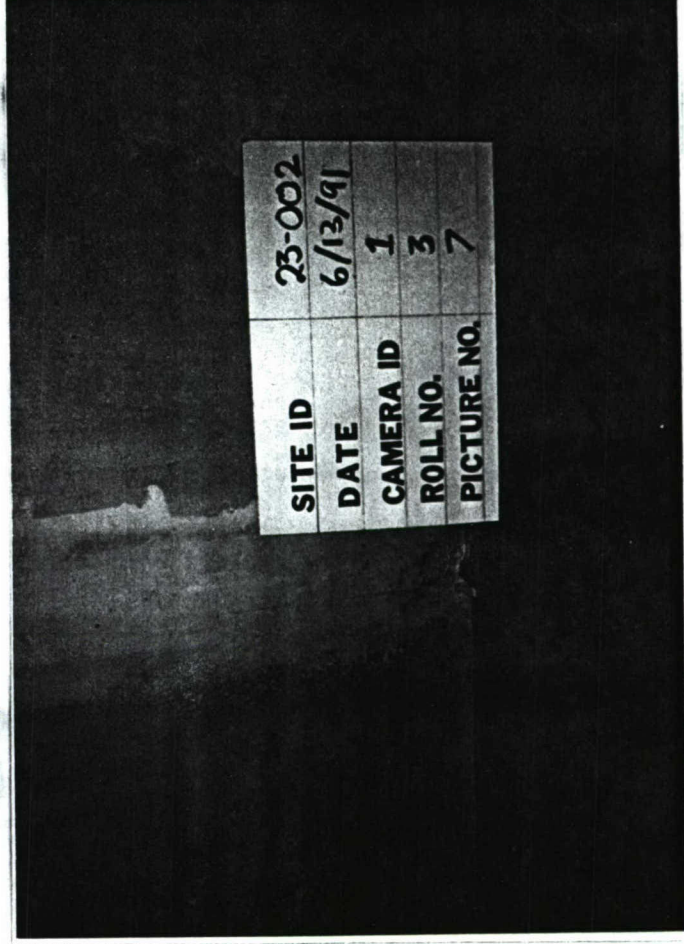
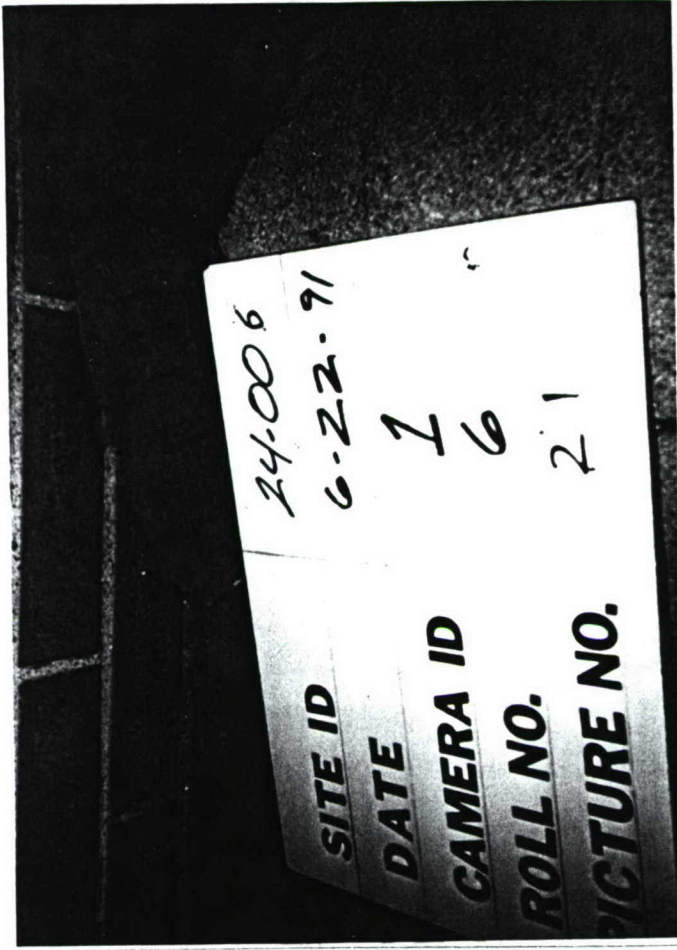
SITE ID	54-008
DATE	6/12/77
CAMERA ID	1
ROLL NO.	2
PICTURE NO.	21

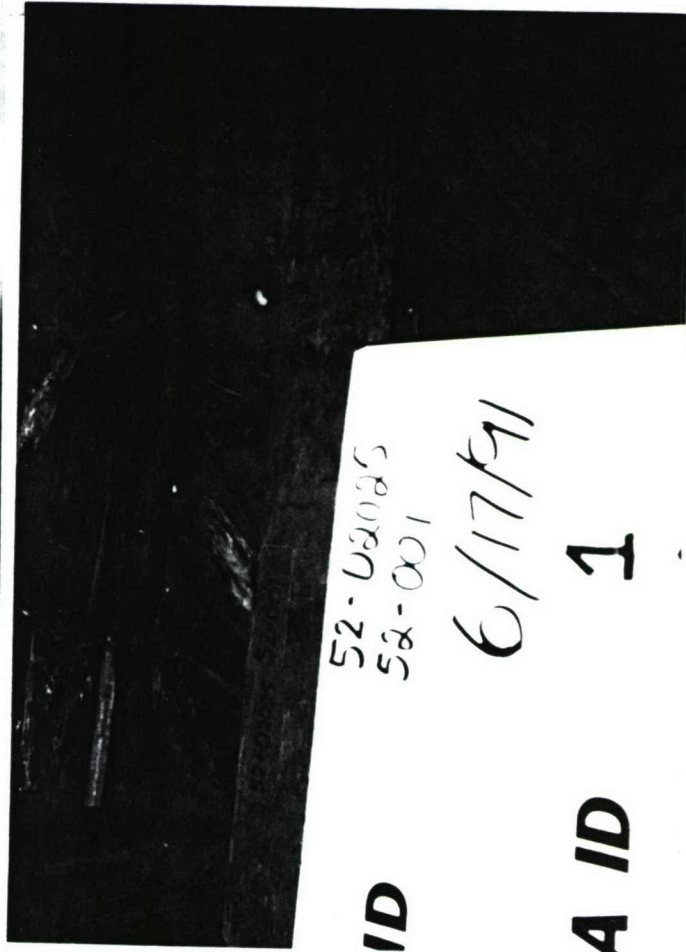
Photographs of Miscellaneous Materials
at Fort Douglas, Excessed Area

<u>Site Id</u>	<u>Material Type</u>	<u>Analytical Results</u>
2A-003	Ceiling & Wall Plaster	<0.5
2A-004	Textured Plaster	2.0
10B-006	Adhesive Materials	<0.5
10B-008	Transite Panels	2.0
11A-001	2x4 Ceiling Panels	<0.5
12A-003	Roof Shingles	<0.5
18A-003	Wire Wrap	<0.5
18C-004	2x4 Ceiling Panels	<0.5
23-002	Sheetrock/Joint Compound	2.0
24-006	Roof Sealant	<0.5
31-002	12x12 Floor Tiles	15.0
31-004	9x9 Floor Tiles	2.0
39-003	Ceiling Sheet Panels	<0.5
49-004	12x12 Ceiling Tiles	<0.5
49-006	White Powder (unknown)	<0.5
52-001	Tar Paper	<0.5
53-004	2x2 Ceiling Panels	<0.5
54-011	Sheetrock	<0.5
58B-004	Transite Panels	70.0
62-001	Ceiling Paper	<0.5
351-001	Concrete Expansion/Joint Material	<0.5









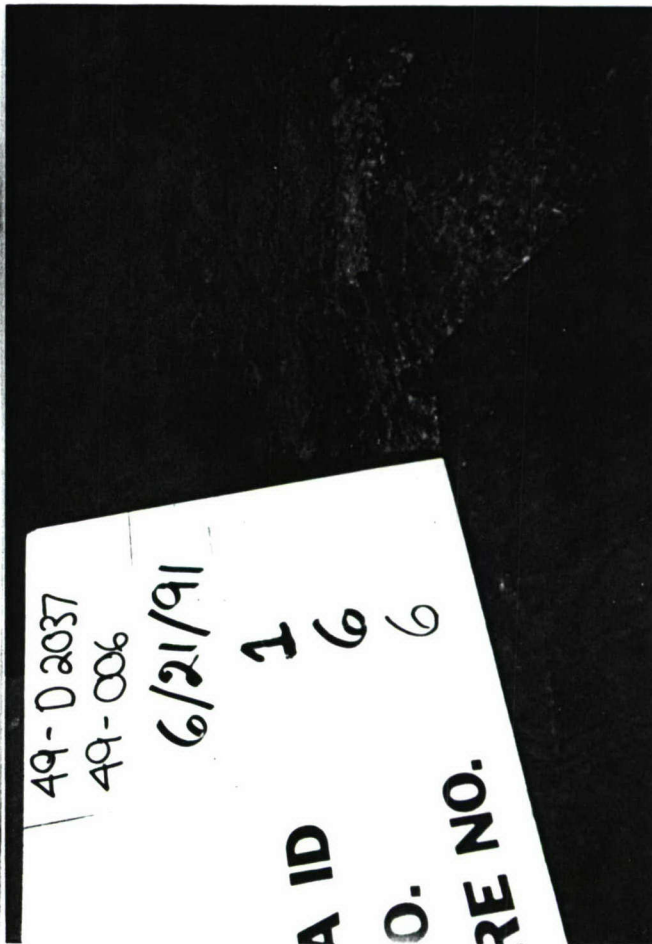
ID

52-D2025
52-001

6/17/91

A ID

1



A ID

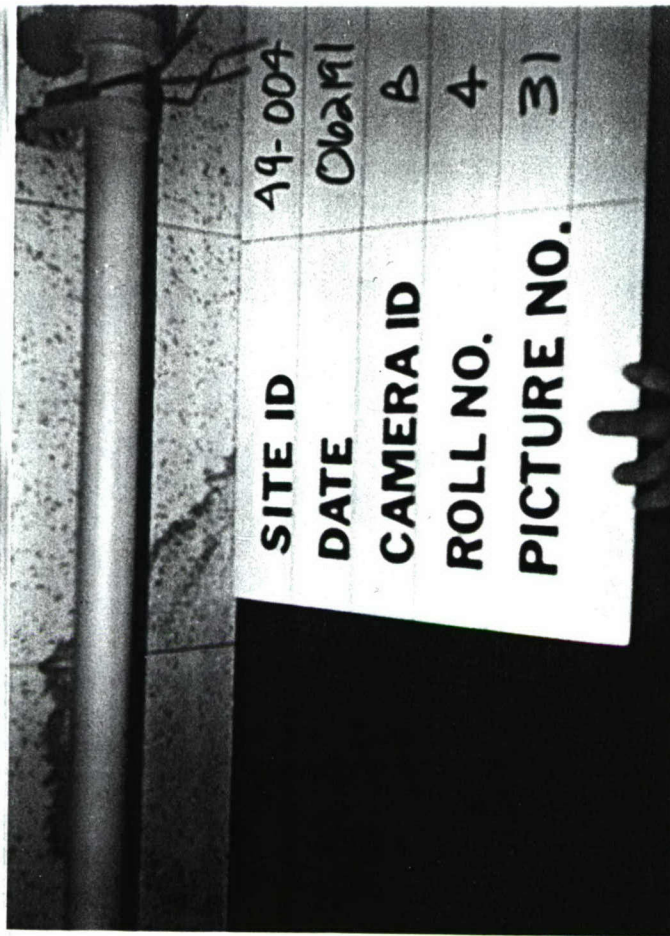
O.

RE NO.

49-D2037
49-006

6/21/91

1 6 6



SITE ID

DATE

CAMERA ID

ROLL NO.

PICTURE NO.

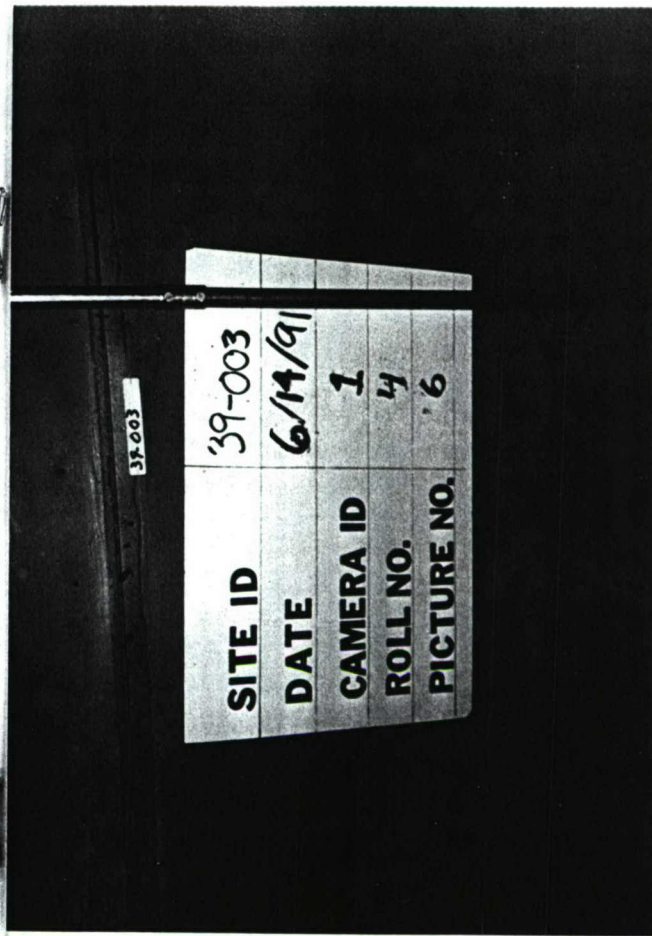
49-004

06291

B

4

31



SITE ID

DATE

CAMERA ID

ROLL NO.

PICTURE NO.

39-003

6/14/91

1

4

6

SITE ID	58B-004
DATE	6/19/91
CAMERA ID	1
ROLL NO.	5
PICTURE NO.	19

SITE ID	54-011
DATE	6/12/91
CAMERA ID	1
ROLL NO.	2
PICTURE NO.	24

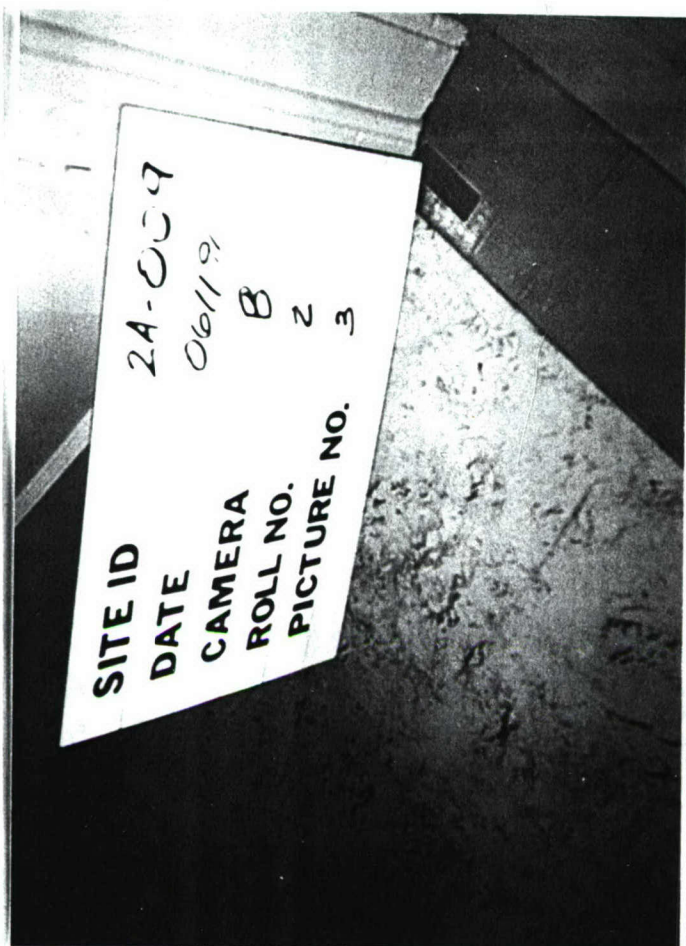
SITE ID	53-004
DATE	53-02036
CAMERA ID	6/20/91
ROLL NO.	1
PICTURE NO.	64

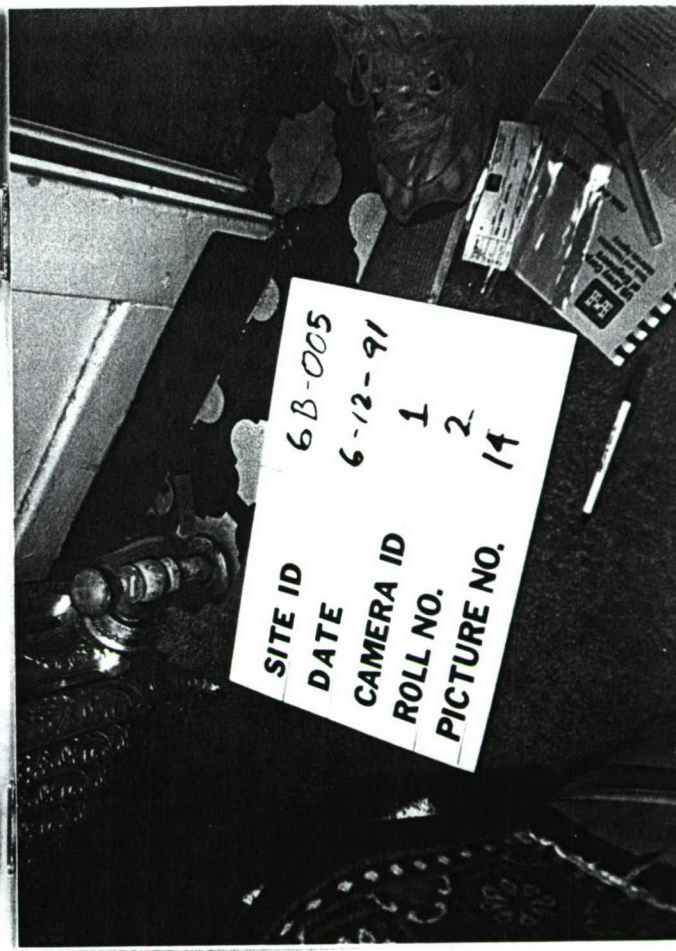
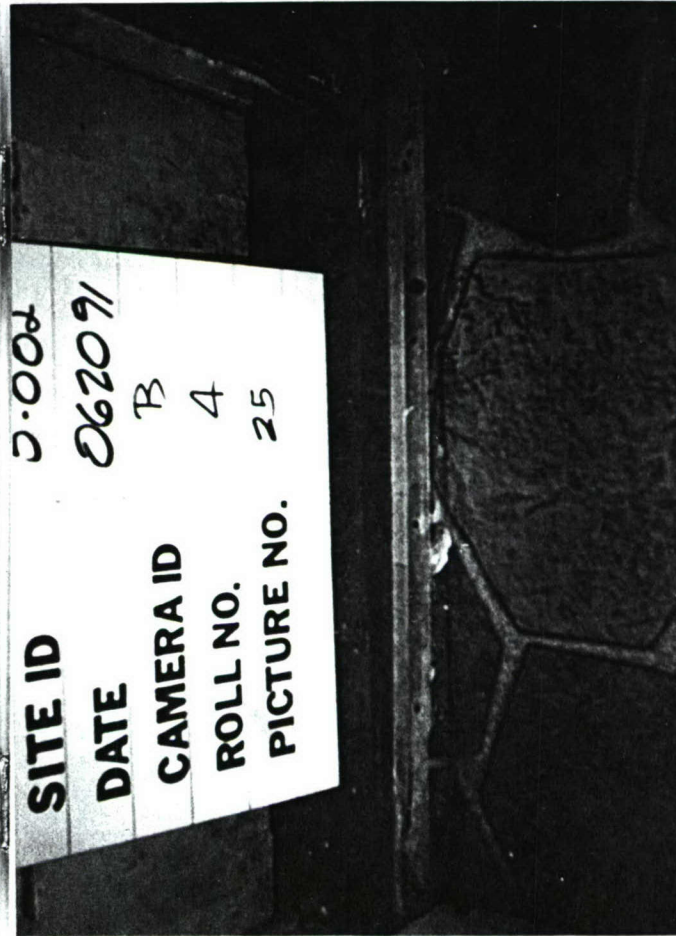
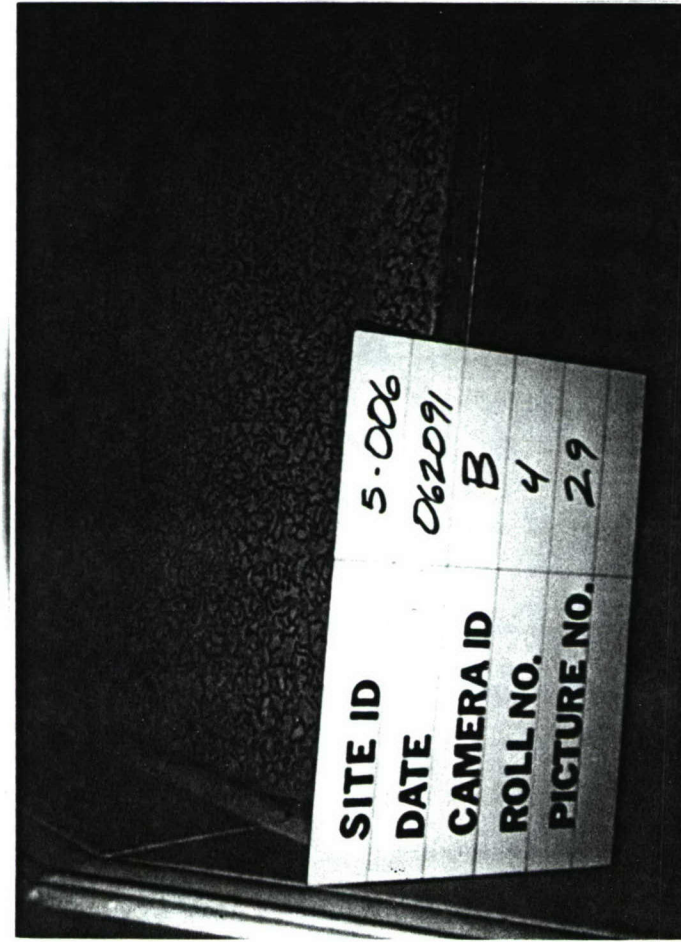
SITE ID	62-02016
DATE	62-001
CAMERA ID	6/13/91
ROLL NO.	1
PICTURE NO.	3

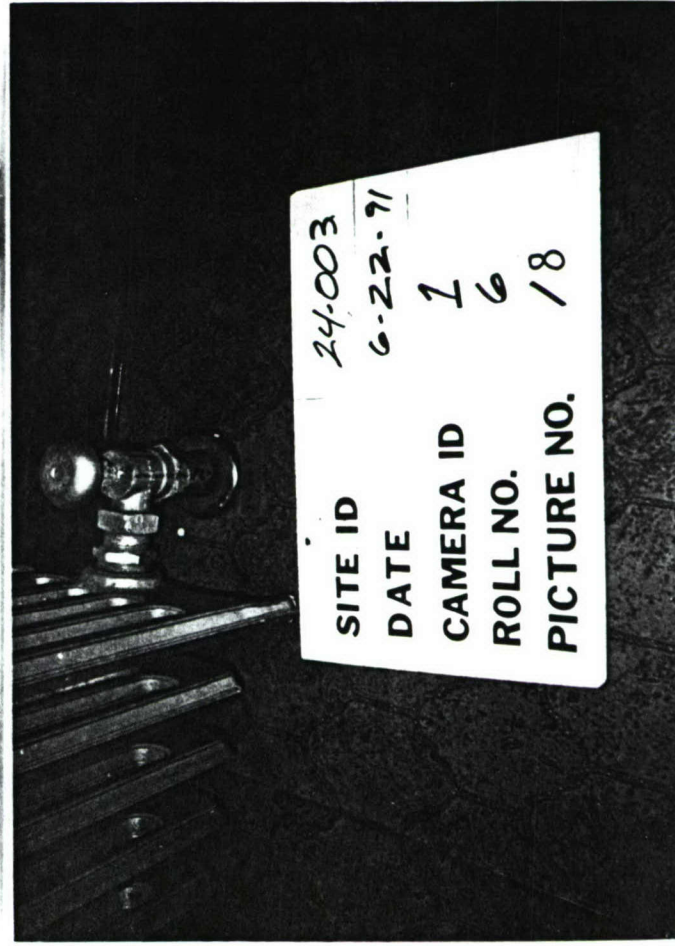
SITE ID	351-001 351-006 02023
DATE	6/15/91
CAMERA ID	1
ROLL NO.	4
PICTURE NO.	15

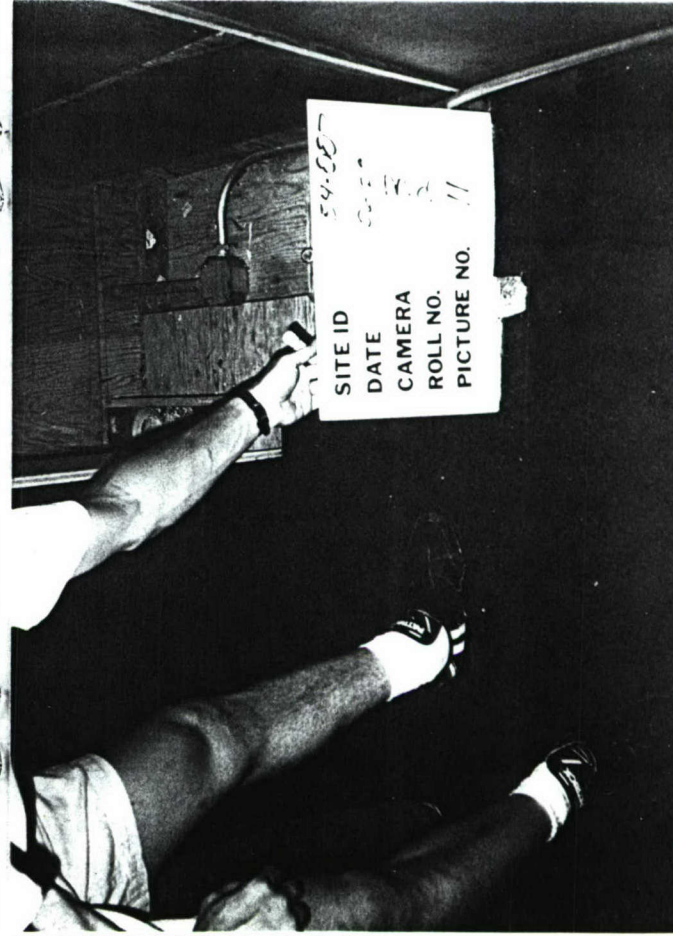
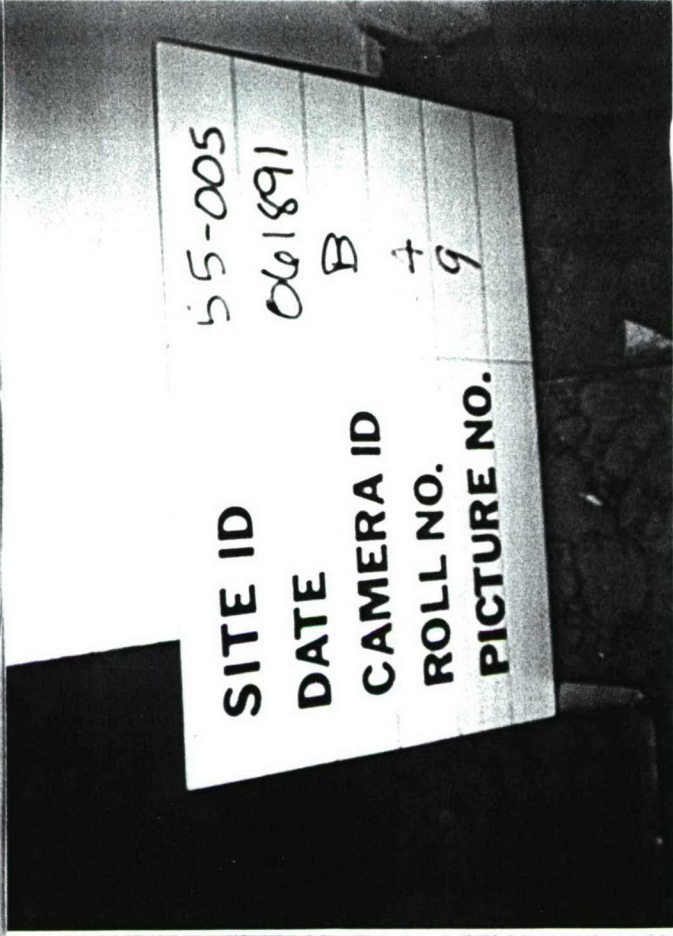
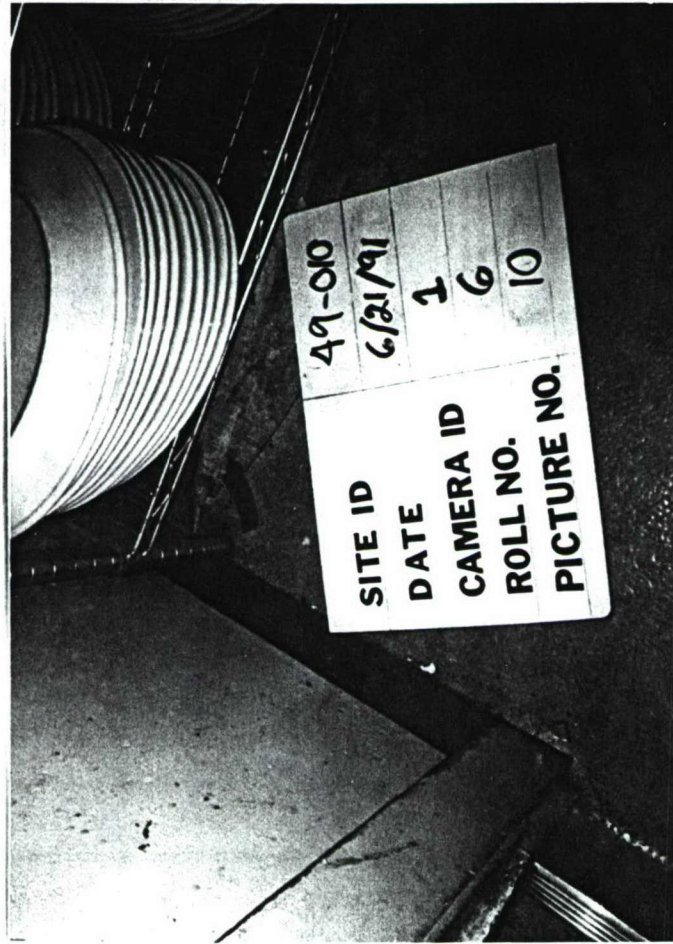
Photographs of Asbestos Containing Linoleum
at Fort Douglas, Excessed Area

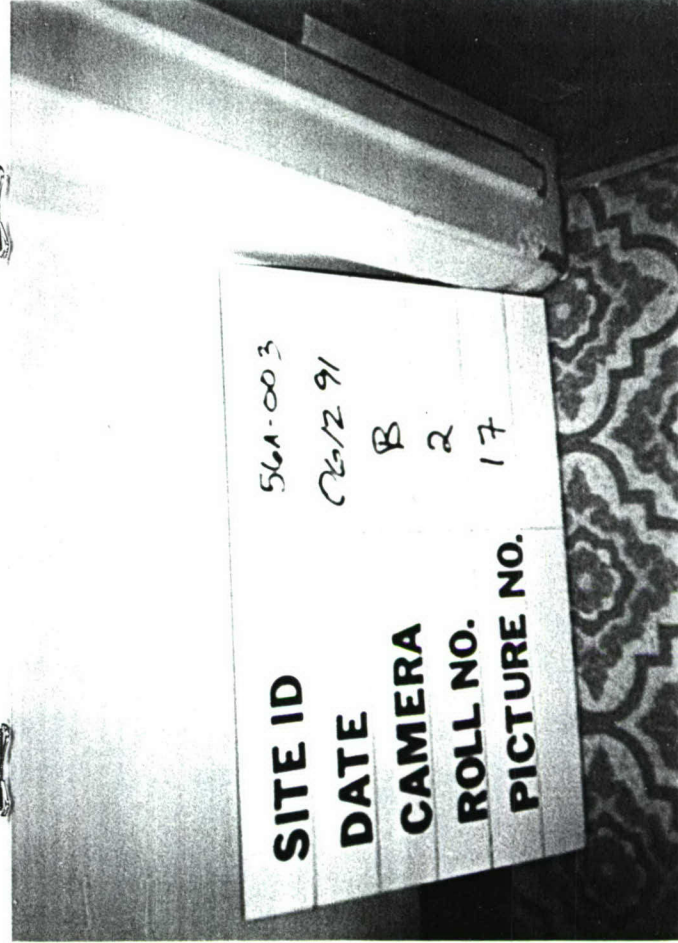
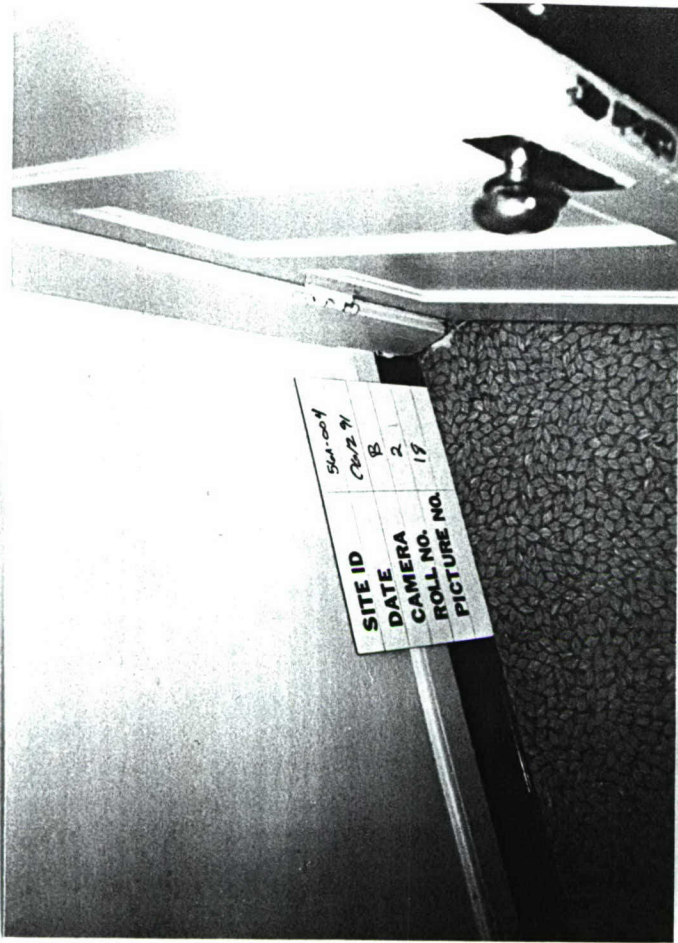
<u>Site ID</u>	<u>Analytical Results</u>
1A-007	30.0
2A-009	3.0
2B-006	50.0
3-004	25.0
5-002	24.0
5-006	24.0
6B-005	20.0
9A-004	20.0
12B-004	25.0
23-003	25.0
24-003	18.0
25-004	15.0
31-004	2.0
49-010	20.0
54-007	15.0
55-005	15.0
56A-003	35.0
56A-004	20.0
57A-002	24.0
57A-004	23.0
65A-002	20.0

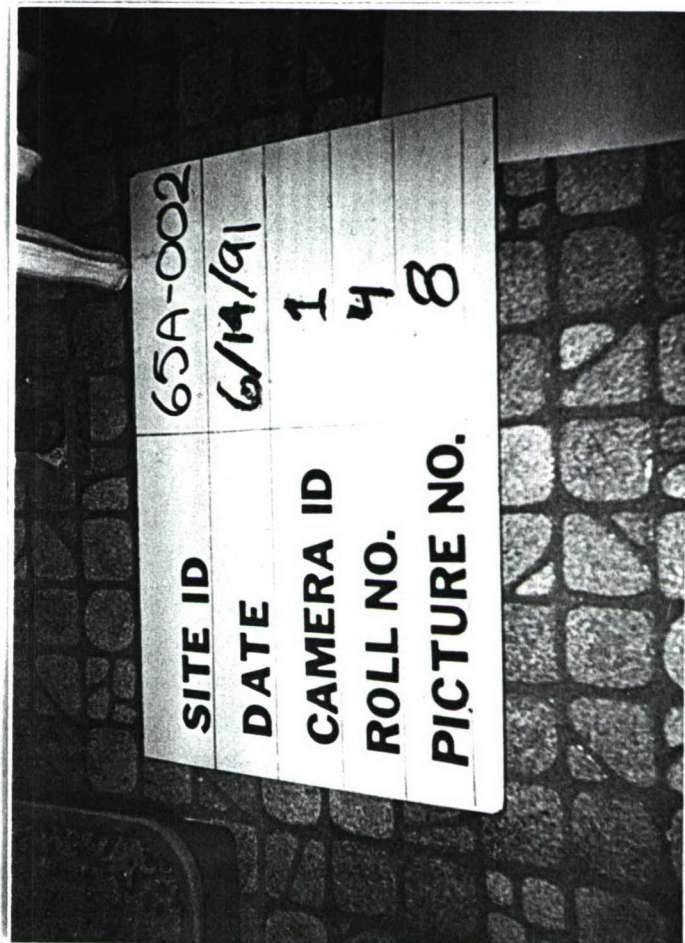












SITE ID 65A-002

DATE 6/14/91

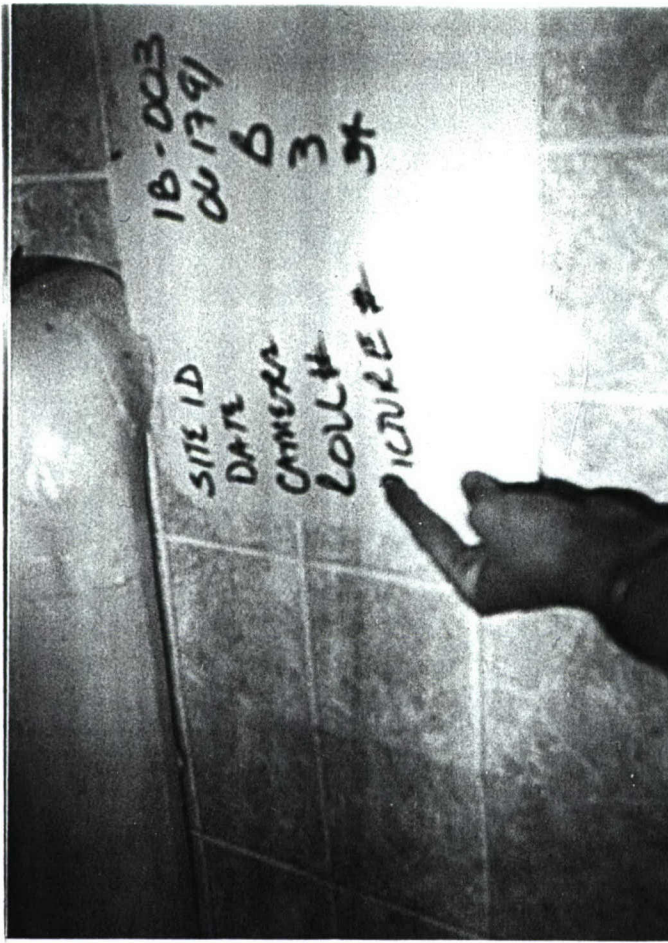
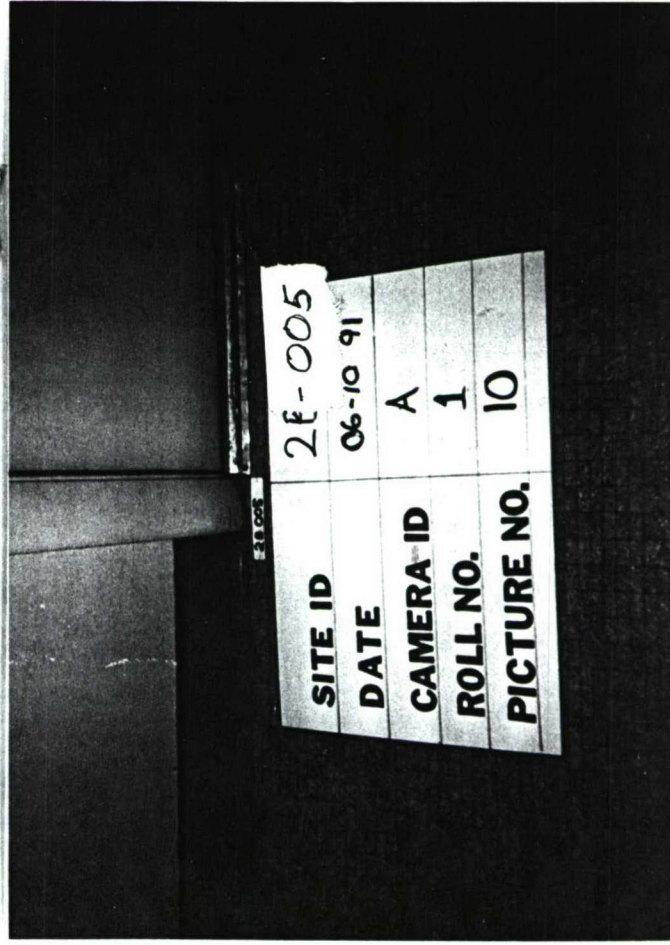
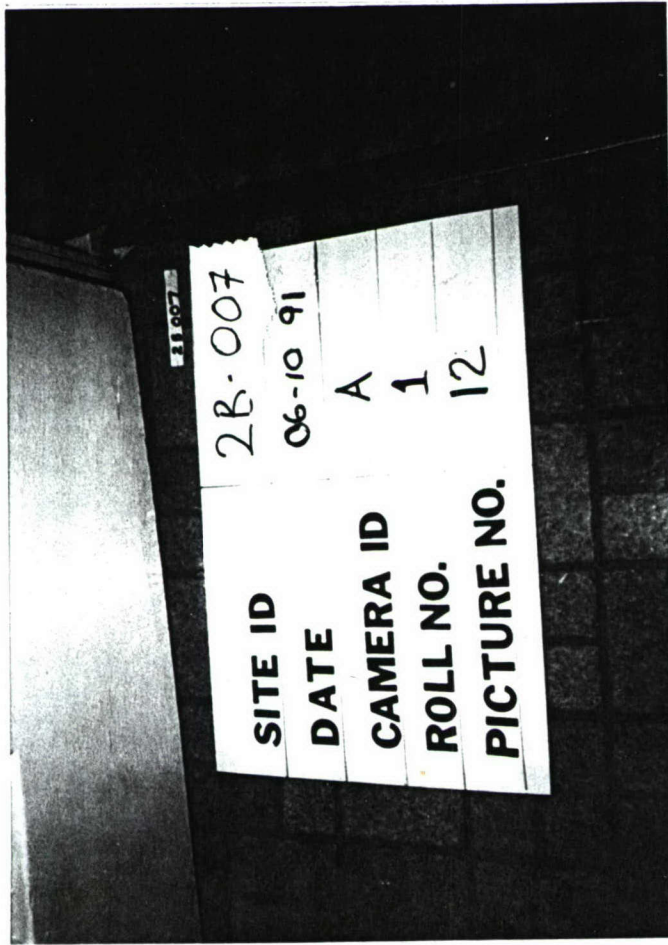
CAMERA ID 1

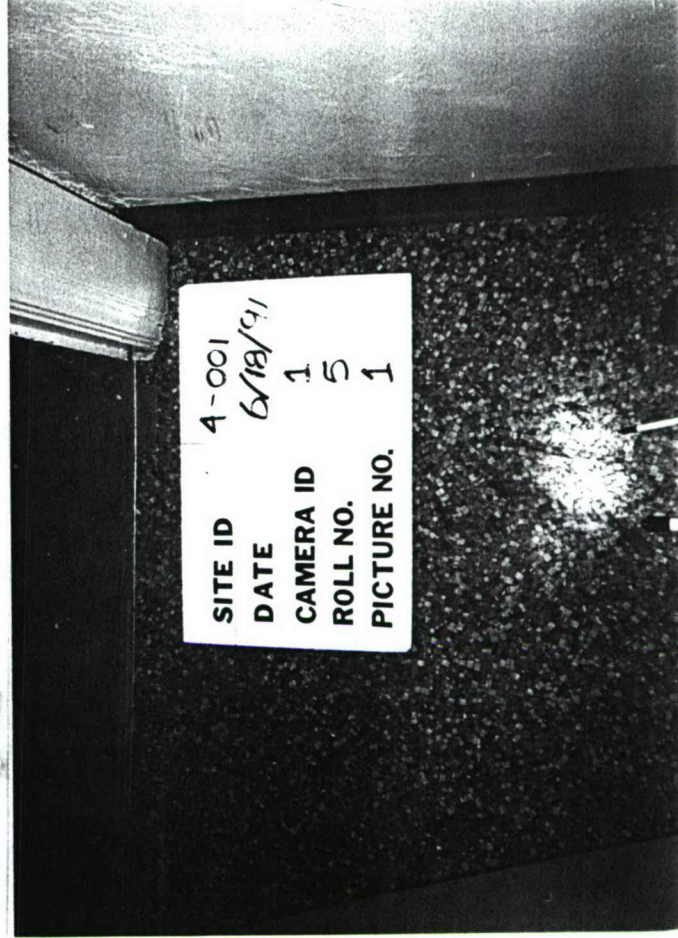
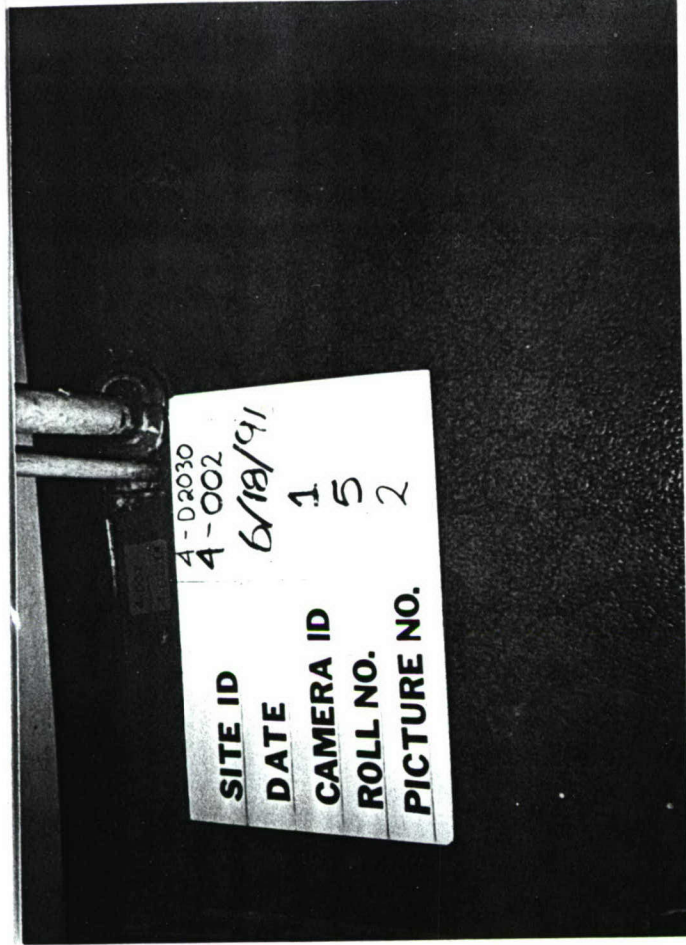
ROLL NO. 4

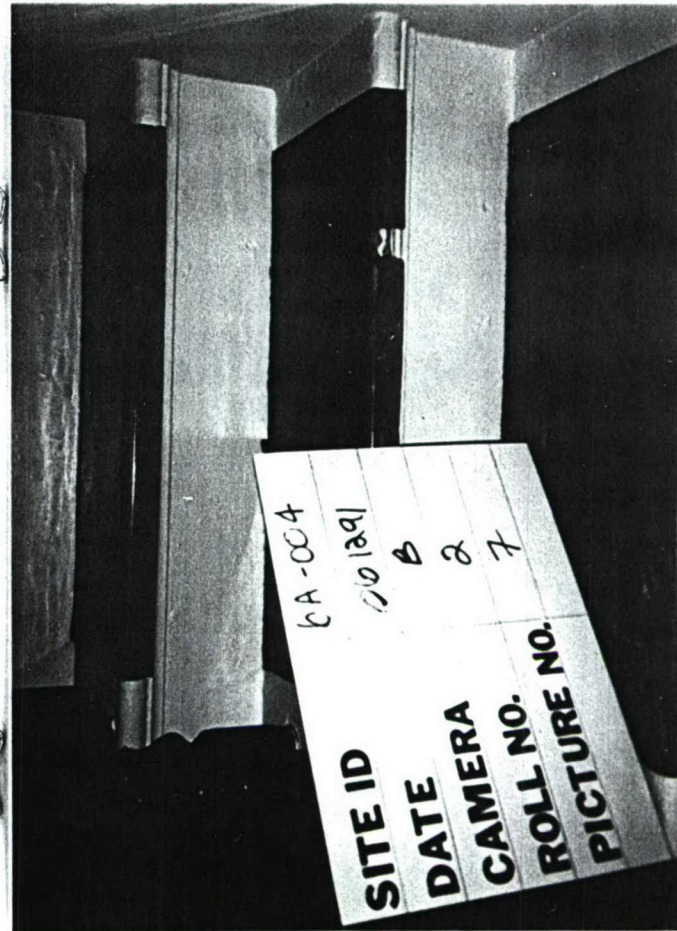
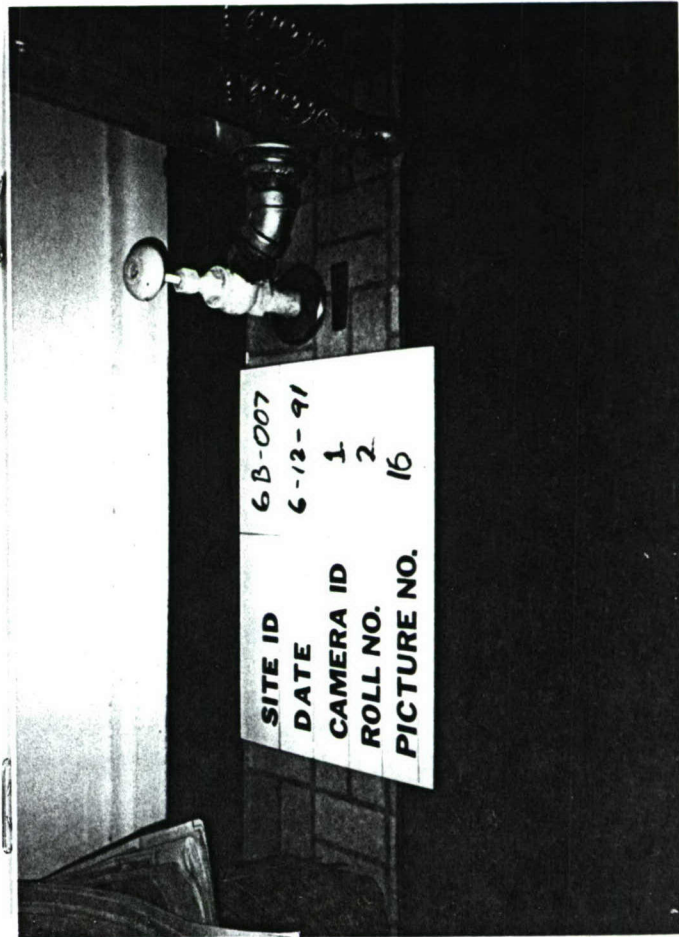
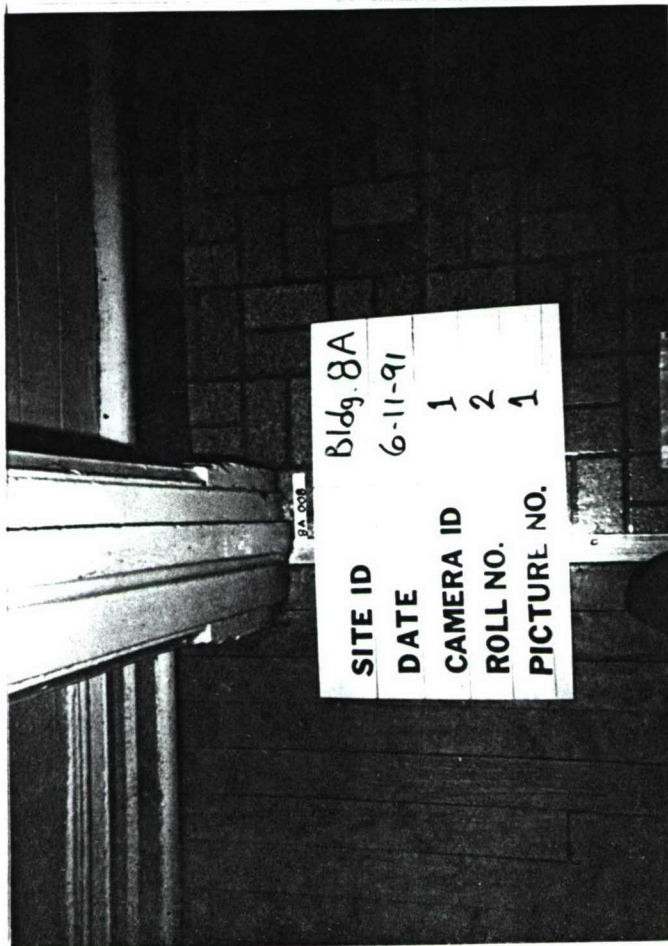
PICTURE NO. 8

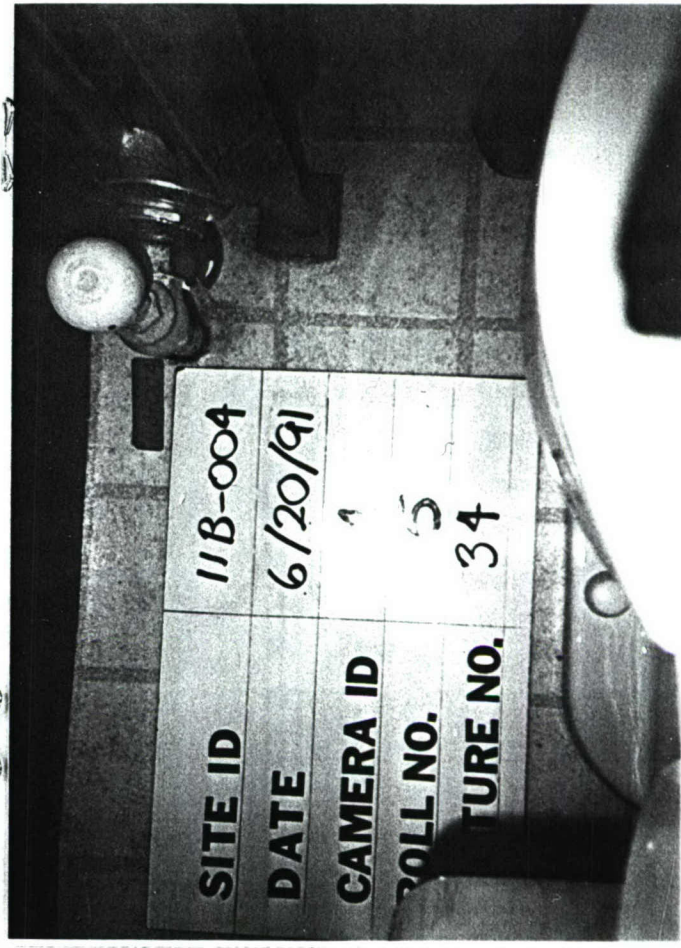
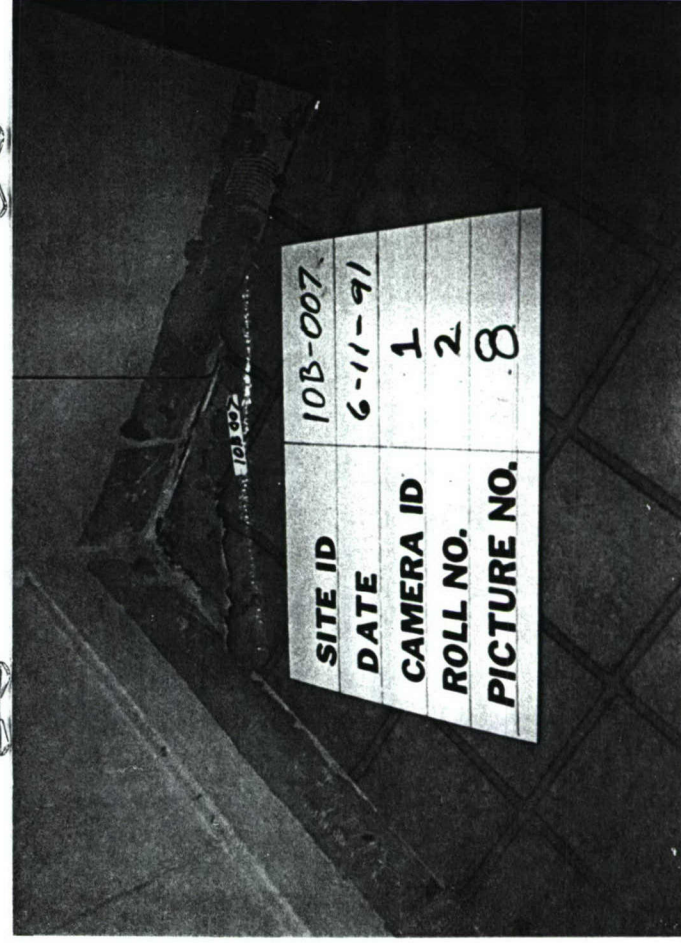
Photographs of Non Asbestos Containing Linoleum
at Fort Douglas, Excessed Area

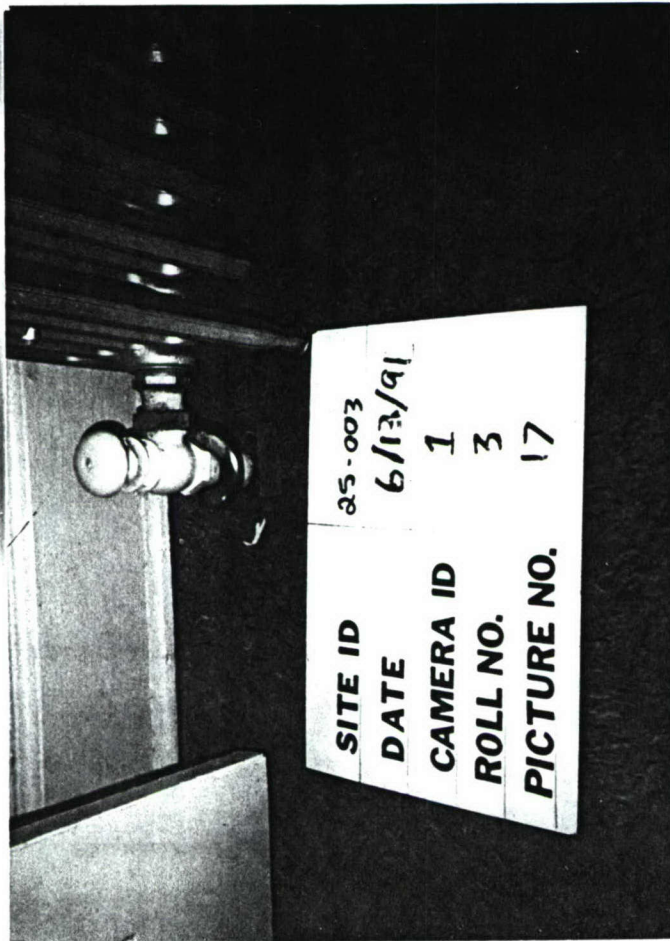
<u>Site ID</u>	<u>Analytical Results</u>
1A-006	<0.5
1B-003	<0.5
2B-005	<0.5
2B-007	<0.5
3-003	<0.5
3-005	<0.5
4-001	<0.5
4-002	<0.5
6A-004	<0.5
6B-004	<0.5
6B-007	<0.5
8A-008	<0.5
10B-007	<0.5
11B-003	<0.5
11B-004	<0.5
14B-002	<0.5
17A-004	<0.5
18A-004	<0.5
18B-003	<0.5
25-003	<0.5
31-003	<0.5
49-008	<0.5
56B-002	<0.5
57A-005	<0.5
59-003	<0.5
62-004	<0.5
63-004	<0.5
63-005	<0.5
65B-003	<0.5
66B-004	<0.5

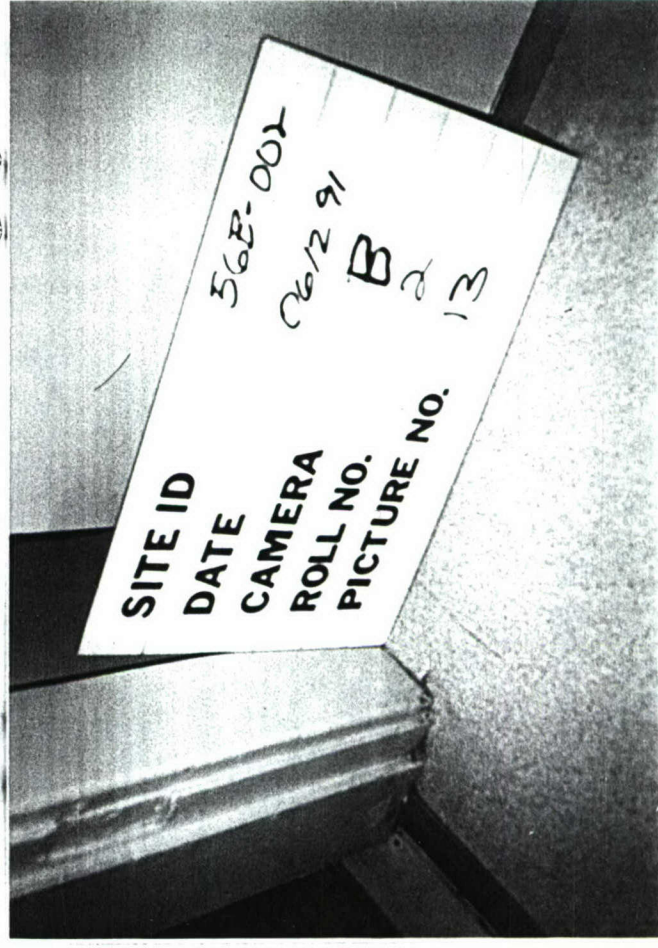
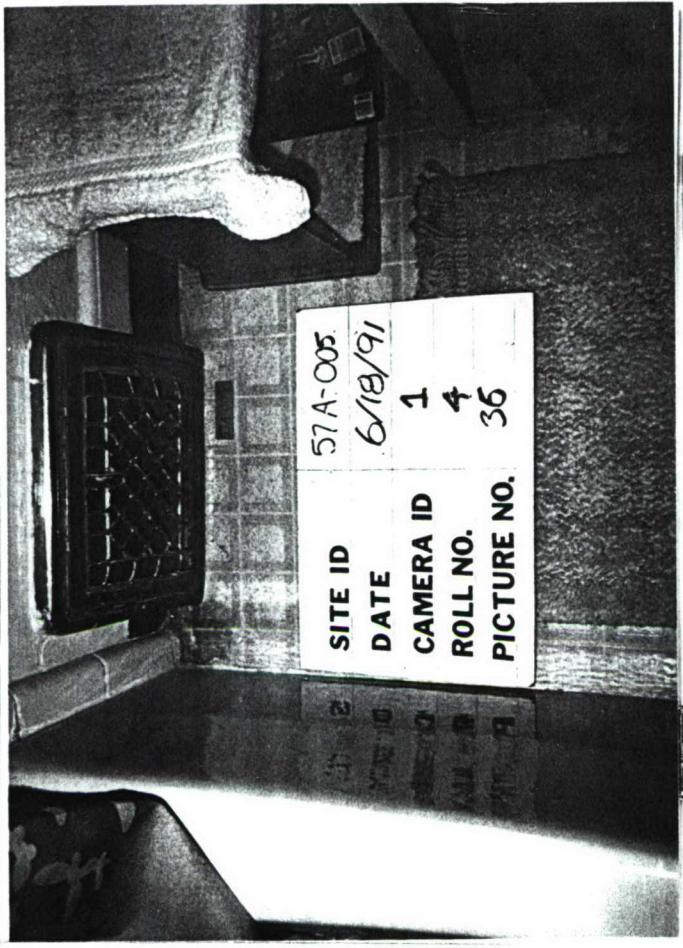
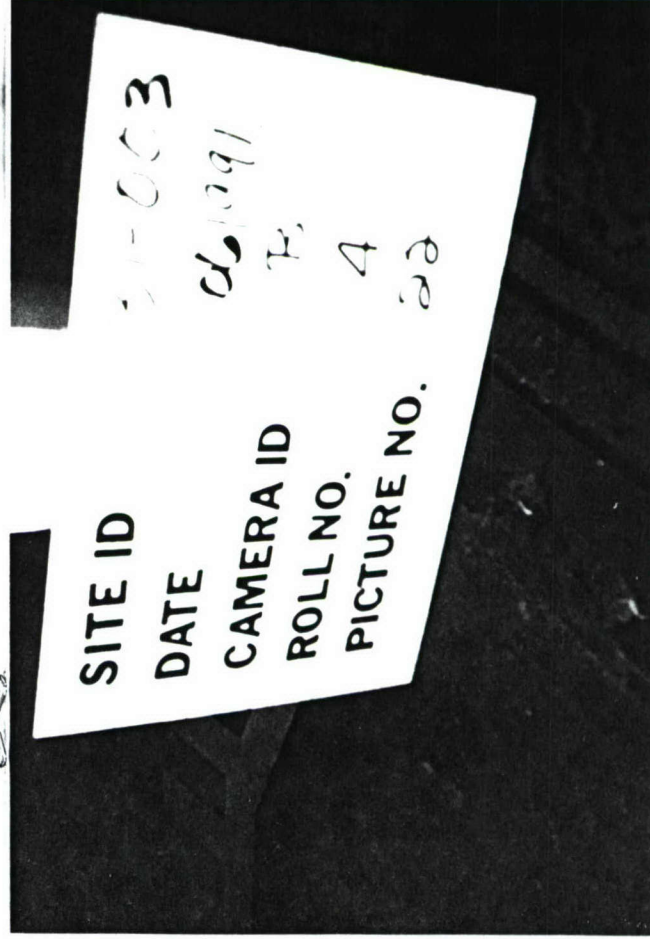












SITE ID	63-005
DATE	06/39/
CAMERA	B
ROLL NO.	2
PICTURE NO.	26

SITE ID	63-004
DATE	06/39/
CAMERA	B
ROLL NO.	2
PICTURE NO.	25

SITE ID	62-004
DATE	6/13/91
CAMERA ID	1
ROLL NO.	3
PICTURE NO.	14

SITE ID	59-003
DATE	6/13/91
CAMERA ID	1
ROLL NO.	3
PICTURE NO.	22

